

<223> Clone ID: 700903907H1

<400> 26950

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gagcttgtgc ggtaattaca gtcttcagct tcaaaatcgc agaatcgtaa gctgcaatct 180  
tcaccaggat ggcaggcata ttgttcccat caatacgcac caaaaacctt ccaaacctga 240  
aaa 243

<210> 26951

<211> 246

<212> DNA

<213> Glycine max

<223> Clone ID: 700903911H1

<400> 26951

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tcacgcgtga gaagagatgc gctcctctaa tgctccgttt ggcatggcac tctgctggaa 180  
cttacgacgt gagctcgaag accggtggtc ccttcggaac cataaagcac ccctccgaac 240  
tcgctc 246

<210> 26952

<211> 246

<212> DNA

<213> Glycine max

<223> Clone ID: 700903912H1

<400> 26952

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gccttgtcat gcctgtaata tccaccactg ttgcagatca gaagaactac tacacccag 180  
atccacatgc tggaagtccc cccacaggct cacacaatag tagtcctcca tctcatggcc 240  
atggga 246

<210> 26953  
 <211> 247  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700903913H1

<400> 26953

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 gggtcagatg aggaagaccg tcaccaagca ggcctctctc ggaagcccat ggtacggccc 180  
 agaccgcgtc aagtacttgg gccattctc tggcgagccc ccgtctacc tcaactggcg 240  
 gttccca 247

<210> 26954  
 <211> 249  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700903914H1

<400> 26954

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 ttccgctcaa gaataaggca acaacatgac caacacttgt ctggggccatt gcgtataagt 180  
 gtaaggcggg cttacatttt ggaggactct tataatcagc taaggatgcy tcctactcag 240  
 gatctgaag 249

<210> 26955  
 <211> 242  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700903917H1

<400> 26955

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attcacagct gtcacgccgt taacggaaaa tggcaacggc gagacgcagt ttcccgcta 60  
 tcaccgaatg caacggaacg acaccgtgag agtctgtggc cgccgacctc gacggtagcg 120  
 tctcatctc ccgtagctcg ttcccgtaact tcatgtctgt cgccgtcgaa gccggcagcc 180  
 tcttcggcgg cctcactctc ctctctctcc ttccgttctg catcatcgcc tacctcttca 240  
 tct 243

<210> 26959  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700903923H1

<400> 26959

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 gcaagatgaa actgtcgat ggcagaaaac tagtaaaaaa agttgctatg catcaagaaa 180  
 gtctggttct ggcccttctt tgtgtggtag aggtattgat gtggagactc cctattatca 240  
 gaa 243

<210> 26960  
 <211> 241  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700903926H1

<400> 26960

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 ctacgcagca cgagcggcac ttcaaacgga ggccgtcgag gtacgagccg tcgcccccg 120  
 cgcagccggc ggagtgggag gaggaagga ggcattcgag aggaacgagg gagcgaagc 180  
 ataggtgact tgcaattttg atagagttgt gccggcagcc attctgcaa cgacgaaggg 240  
 a 241

<210> 26961  
 <211> 244

<212> DNA  
 <213> Glycine max

<223> Clone ID: 700903927H1

<400> 26961

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 tgggaactct actgcctcga acatggcatc cagcccgacg gcatgatgcc ttctgactcc 180  
 accttcggtg tagcccacga cgccttcaac acctttcttca gcgcaaccgg atctggcaag 240  
 cacg 244

<210> 26962  
 <211> 245  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700903930H1

<400> 26962

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 ttcgtgaaaa ctttgaccgg taagaccatc acccttgagg tggagtcttc cgacaccatc 120  
 gataacgcga aagctaagat tcaagacaag gaagggatcc cacctgacca gcagagactt 180  
 atctttgcgg gtaaacagct tgaggatggt cgaacccttg ccgactacaa catccaaaag 240  
 gaatc 245

<210> 26963  
 <211> 246  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700903934H1

<400> 26963

gcttaaaaag cccaagaaat ttggcttgtc ttggacgatt aactggatct gcattattct 60  
 tggggtaatg ttgatgatag tatctccaat tgggtgctcta aggaatatca tattatcggc 120  
 caaaaactac gagttcttct cataaactat tgatgcaatc attgattccc caaccgattt 180  
 taaagttgat gagtgaact aaataacaag aaagcacgca gacatgcgtt atacattgaa 240

tataga

246

<210> 26964  
 <211> 241  
 <212> DNA  
 <213> Glycine max.

<223> Clone ID: 700903938H1

<400> 26964

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 gtggagagtc tagtgaagag atgaagtcac gggaattgtg gggtaggaat ggcaggccct 120  
 tttgctccaa gggaacttgg catattgctg tgcaacatac caaaaattta tccatagaga 180  
 tgcattgagc cgagtttgtt gttctttgca ttgggacata tagtggtttt ccacacattc 240  
 c 241

<210> 26965  
 <211> 240  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700903939H1

<400> 26965

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 tgaagctggg cccatcagcc ccagaagtgg gaagggtag catgaggaag accgtcacca 120  
 agcaggtctc ctcaggaagc ccatggtacg gccagaccg agtcaagtac ttgggcccat 180  
 tctctggcga gccccgtcc tacctaaccg gtgagttccc aggcgactac ggctgggaca 240

<210> 26966  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700903941H1

<400> 26966

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ttcgtggtcg aagccaaaga caggacccgc aggatagaca ggaccggctg ccacactcg 180  
 agcagaaaga aggacgaagg gacgcccag aggccgagg 219

<210> 26967  
 <211> 238  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700903943H1  
 <400> 26967

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 tggatacttc tattagtggg gctgaggtga agcatgtgat gaaggtgagc ctggatgatg 120  
 atagacatga ttactattca attgggactt atgatgagaa gaatgttctg ttcacaccag 180  
 atgatgcgcg gaatgatgtt ggcgttgat tgaggtatga ctatgggata ttctatgc 238

<210> 26968  
 <211> 244  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700903945H1  
 <400> 26968

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 atctgagaat tcagagtgtga gaatccattt acatcagaag aattcgtcag tgaaagaatc 120  
 gttttcttca gatctcacia ttagagtgcg atggaatc tagggattga tctaagctgc 180  
 gccgttgat ctctccgcca cggccagttc ccggagaagg attgcttgct ccctctcatt 240  
 tcca 244

<210> 26969  
 <211> 247  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700903947H1  
 <400> 26969

ctcgagccga atcggctcga gaggaaatac tacgggagt gaaaaacaaa ggaagcacca 60

002220-ETTE560

cggagagaat cacagcttaa cgggttgac aattttctcg tggaaaaaga ggaagaaatt 120  
 gtgacggccc tcaagcatga tttggggaag cattacgtgg aggcttttag agacgagctt 180  
 ggaacattaa tgaagacctt aaacttggca accaagtctt tgacaaattg gatggcgggg 240  
 aaagagg 247

<210> 26970  
 <211> 232  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700903953H1

<400> 26970

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 aaaggatgga aaagcattaa agtaggattg aaaatatatc actgaagaaa taaaacaaaa 120  
 agagtttatt taaattgagt gttccattta tttatttttc atatttttac gtgtatccta 180  
 acgtttcttg gaggcttttg atttgggggtg aaaaaattgc tttgcttact at 232

<210> 26971  
 <211> 238  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700903957H1

<400> 26971

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 tacaagggtt gcgagtggaa ggggatagta ataataatat tgggtcaaaa gaagtgaag 120  
 gtgaaggaca aaacaggttt gagtggagca ataataataa caacaacaac aacaatgggtg 180  
 gtggtgtgca aaccacatg cgtcatctgg ttttgaccac caccaccatt gttgttgt 238

<210> 26972  
 <211> 239  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700903958H1

<400> 26972

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 tagttcaggt tcatcaccgc gattttcagt tctttaaatc acatggcaca taccatagat 120  
 gaactgcatg agacgacatg tctttcctgc ttttggctaa aactgagcct taatttctgt 180  
 gttcattgct tggtgcaaac ttgataaaaag tccatccatc tgtagagatt gtgatggcg 239

<210> 26973  
 <211> 237  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700903959H1

<400> 26973

cagagagtgg tttcagtgag tgatcgggtg tcaattgatc cttcataagt tctcatcatc 60  
 atcatcatca tcaccgttga ttgaagaaga tgccgatcag aaacattgcc atcggaaggc 120  
 cgaagaggct actcaccgcg acacgttgaa ggcgggggtg gctgagttca tctccacctt 180  
 gatcttcgtg ttcgccggtt caggttccgg catcgccctac aacaagctca ccgacaa 237

<210> 26974  
 <211> 246  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700903905H1

<400> 26974

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 gggagaccct tcatgtggga gggcacaaga aggaggagga gcataagggt gagcaccatg 120  
 ctggagaata caaaggggag caccatggtg aacacagtag tgagtacaaa ggagagcatc 180  
 atggtgaaca caaagctgga gagtaccatg gtgagcacia gccagagcac aaagaggggt 240  
 tcctag 246

<210> 26975  
 <211> 256  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700903863H1

<400> 26975

agcagacaag catccagcgc agcatccacc acgtccgcaa aaatcccaca ccgcttgctt 60  
cccttgcccc tcccctctct cacatcaaat ccatttcgcc aaatttcaca tcactcttca 120  
caaacagaaa aatagtcttc cgctgccggc aatcctaggt ttccgggtgac gatgctcccc 180  
tacgcttcca tcccgagggc cgtggcgggc ctgggtcgca acctcacctt cgcggagacc 240  
ctctggttca ctactc 256

<210> 26976

<211> 208

<212> DNA

<213> Glycine max

<223> Clone ID: 700903864H1

<400> 26976

ctcgtagtc gtttgtaacg cctttgtttg cgttttttgc acagcagaat taacacgtat 60  
atagcaagca tggcagtcac actctacgac cttagctctg cctctggggt gaagaagctt 120  
gatgagtacc ttctcccacg cagctacatc acccggtagc aagctacaaa ggatgatctt 180  
actgtctatg cagctttgcc aactgctc 208

<210> 26977

<211> 262

<212> DNA

<213> Glycine max

<223> Clone ID: 700903866H1

<400> 26977

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tcgtagtatg gcacctcagg taaaaaatga ggtattgata cctgttgagc aaaatagaag 120  
cattgatatc ctggatattg ccggtgatag aactttggtt tctgatgttt cacggtcagc 180  
tgtagatatt aataaccagg tgtcttctct accattagcc gtgcatagtg gtagaggcag 240  
ctttactgcg gctaattaac ta 262

<210> 26978

<211> 255

<212> DNA  
 <213> Glycine max

<223> Clone ID: 700903869H1

<400> 26978

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 gagtgacaac ggcgatgttt tgactgggtt ggatgaagtt gagaaagagg cgcgtaggaaa 120  
 tagcaccatg cccgaacgct ttaggtacct cgccaaagaa gttccgagtc ttcctgttag 180  
 gtggccatgg cttgtggtac tggcttttct ggtctatgct tggagagctg ttctatttga 240  
 actgtcaact ggaag 255

<210> 26979  
 <211> 250  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700903872H1

<400> 26979

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 ttgaccttag tggggatgga catactcttg tgacttacac ccaacttgcc aactggggtc 180  
 aatgctcttc atggcagaac ttcactgctt ctccattcac tgctgggtgct aaaacaatca 240  
 cgttgacaac 250

<210> 26980  
 <211> 248  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700903873H1

<400> 26980

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 aacttattac tttagaagta aaagtattat ttaactctct caagaagaaa catatatatg 120  
 aaatttgta ttatgctttt gtattgttgg gttttatttt gcagttttgt acttggtcat 180  
 ggatattgag gtggagatct ggtttaatgc cctttgtgga taattaattg catttgattt 240

cgggatga

248

<210> 26981  
 <211> 249  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700903874H1

<400> 26981

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 aagtgcgagt ggtcaaagg ccagaccctt cgccaacctc tcgtgagatg taacccttcc 120  
 tcagcatcag ctctcaccat caaagctgct tcctatgctg acgagctcgt caaaaccgcc 180  
 aaaacagtgg cctcaccggg gcgtgggtatt ttggcgatgg atgagtcaaa tgcaacctgc 240  
 ggaagcgtt 249

<210> 26982  
 <211> 248  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700903876H1

<400> 26982

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 ccatggccat ggccacgatc ctgctcctgt tcacggctctt cgcggtttca tcggccctag 120  
 acatgtcgat aatctcgta gacaacgccc acgccgccac gtcgcgcagc acagggagct 180  
 gatgtccatg tacgagcagt ggctagtaaa gcacggcaag gtgtacaacg cgctcggaga 240  
 gaggagaa 248

<210> 26983  
 <211> 251  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700903877H1

<400> 26983

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agaagggtga aatgagcgcc ttatcccgaa atatgaatgc tcagcacatg agcaaagtcc 120  
 tccctccaca gatgctaaag caaatcggag gcatgggtgg gttacaaagc ttgatgaagc 180  
 agatgggatc tgctaaagat atgatgggaa tgtttggtgg tggtgataat tagattgact 240  
 gtggcatatg a 251

<210> 26984  
 <211> 250  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700903878H1  
 <400> 26984

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 tcgattcgtg gaagcagcaa tactacacca caagcggcgt ggtggtaggt tacgcagtat 120  
 gctccagcct cctggccatc atcaacaaat acgccatcac caaattcaac taccaggcc 180  
 tcttaaccgc gctccagtac ctcacctcgc cactcggcgt ctacgtcttt gggaaattag 240  
 ggttctccac 250

<210> 26985  
 <211> 245  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700903879H1  
 <400> 26985

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 taaaggaaaa ggaatcgtgg gatctgaata cacaagagaa gattgaggca gctgggaaga 120  
 aaaaggaaga agggaaatgcc ttttttaagg ttggcaaata tgaaagggct tcaaagagat 180  
 atgaaaaggc cataaagttt gtcgagtatg attcctcctt tagtgatgag gagaacagca 240  
 tacta 245

<210> 26986  
 <211> 254  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
<223> Clone ID: 700903880H1

<400> 26986

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cagagtcttc agcgacggca ccgtggaaag gccaaagaaa acaccctttg tgccaccctc 120  
aattgatgac cctcaaaccg gagtctcatc caaagacatc gtcattctac aaaaccctt 180  
agtctctgct cgaatttacc ttccaaaact taccacaata aatcaagttc ccatcttggt 240  
cttctttcac ggtg 254

<210> 26987  
<211> 261  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700903882H1

<400> 26987

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gcagggttaca gagcaagggtg aatactccgc gaaggattac catgaccacac ctccggcgcc 120  
gttgatcgac ccagatgagc tactaagtgt gtccttgtag agagccgcca tagctgagtt 180  
catagcaaca ctctttttcc ttacatcac cgtgttgacc attattgggt acaagagaca 240  
gagtgcacac aaatccccgg t 261

<210> 26988  
<211> 260  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700903883H1

<400> 26988

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gtgcagaatg gcaatgcaat gggtcagagc aggagcatga gcatggccac agctacaaaa 120  
ttttcccttt gcgaatgaaa accggccccg gtggccacta cattccggag gtatcgtgca 180  
aaagttggag gcttggtgtg gaagcacaca acgtcattga ctggagaacc attcctcaag 240

attgcgaggg atatatagga

260

<210> 26989  
<211> 124  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700903884H1

<400> 26989

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cattccatta ttatgactaa atttacacgg gattcaaata agaaatgatg agtaaatttt 120  
ctga 124

<210> 26990  
<211> 250  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700903885H1

<400> 26990

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ccaattgcc a tagtcaccaa ccaattaaca aaggtatata tatcatcata tcatacacia 120  
atgaaaaata ttgggttgtt ttttcttgtg gtgggtggcta cttttgtggg ggcagccaca 180  
gctggtagct tttaccaaga ctttgaaata acgtgggggtg gtgagcgtgc caaatctat 240  
gagaatgaaa 250

<210> 26991  
<211> 250  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700903886H1

<400> 26991

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tttgttgatg aaattgatgc tggttgaagg caaagaggta ctggaattgg tggagggaat 120  
gatgaaagag aacagaccct caatcaactt ttgacagaaa tggatggatt tgagggtaat 180

accggtatca ttgtcattgc agctactaac agggttgaca ttcttgattc tgcattgtta 240  
aggcgggacg 250

<210> 26992  
<211> 251  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700903887H1

<400> 26992

ctcagcacia caccctctct aacctctttt ttctcttaat ttctcatcat atcatatcta 60  
ttaatcttac acatatatta agacatagat ataatttttt tcgtttttatt tttccttgca 120  
tgggctgtta agataagatg tctcgcacgt gtcacacgtg cggcaacaac ggccacaact 180  
cgcgacatg caccgacggt ggcgcgcgcg ctctctgcgg cgggtctccc agggagaacg 240  
gcatcatgct g 251

<210> 26993  
<211> 243  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700903888H1

<400> 26993

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atgttgctga aagcgaaagg gaaagcgata ccgatggcga aagtgaagc ggaagcgtcg 120  
caatatctag aaagggaatc cgcagatcgt cgttggataa aagtcaacat gattattgtg 180  
atagcagcca tcttccacca gtgggtttcct cccaagctag ccgcaaaagc agcaccagat 240  
cag 243

<210> 26994  
<211> 73  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700903889H1

<400> 26994

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gaggtgatga aac 73

<210> 26995  
<211> 247  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700903890H1

<400> 26995

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atcaaattta actattgcta ctgaagagggt tttggttgat gaaatcactt accctaccaa 120  
gatcactact accaagcccc tatctttgct tggccatgga atcaccgaca tggagattca 180  
cttcatecat gtgaaattct attcaatcgg ggtttatttg gagccagaag tagtaggcca 240  
ttggacc 247

<210> 26996  
<211> 237  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700903891H1

<400> 26996

gagccttcga agttagtggg cagcaagagc tcaagacatt tcgagtagaa acagtaacga 60  
tgcctcagtt gctgtcactg ctgcattgga aacatgctga gccataaaat gagctgatgc 120  
acgagtgagc cttatcgat taagcactcc agtgggacaa attatcttcc agtttgaaag 180  
tatcatcagt tggttcatcc ccataaacca cattgaggaa ttcatgcatg gttggggg 237

<210> 26997  
<211> 251  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700903894H1

<400> 26997

gagccttcga agttagtggg cagcaagagc tcaagacatt tcgagtagaa acagtaacga 60

tgcctcagtt gctgtcactg ctgcattgga aacatgctga gacataaaat gagctgatgc 120  
 acgagtgagc ccttatcgat taagcactcc agtgggagaa attattttcc agtttgaaag 180  
 tatcatcagt tggttcatcc ccataaacca cattgaggaa ttcatgcatg gttggggcctt 240  
 gctttgtaac a 251

<210> 26998  
 <211> 210  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700903896H1  
 <400> 26998

gtcacggggc aagatggacc cgaacgcgaa ctggaacagt ttcatatcat agaaatcaac 60  
 aaactcctgg gtccgtcagt tctcatggaa gtgccccttt gccggggaga aaagctcaga 120  
 cgggtgaatgg gaactacttg ctgaattttc aatatgaccc aatatcccgt tctcaaccac 180  
 ggggtcctcc tccttctcca cacagacata 210

<210> 26999  
 <211> 172  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700903901H1  
 <400> 26999

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 acttcacttt atttcttttt tataaaaaga aaaccataga ttatcgctat cttatatctt 120  
 attccgggtc tcagattcaa ctgtgaggaa gaaaaaggtc tccacacaac at 172

<210> 27000  
 <211> 253  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700903862H1  
 <400> 27000

cagctatact caaatctgtc gggatggatg cactcaattt tgccaacata tgctgataga 60

agcatgtgtg aatgccaaaa atgcctttta taaatcactt tttgaatgat attttgtgtg 120  
 agtttttcta ccatttaagt gcattttctt ggcaaaaatc acgtttgaac actagttttg 180  
 tattgcaaga gtataaccgc tccattgagt gaaagagttg aaaattacat gattttatga 240  
 agatcgaaga ctt 253

<210> 27001  
 <211> 247  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700903903H1

<400> 27001

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 acaatttttt tctttctttc tcaagttttg ctactttctt cttcttaacc atagttcaca 120  
 tattatatca tcacatatca tagtgatata atatcacaat gtgtggcata cttgctgtgc 180  
 ttggttgctc tgattcatct caagccaaaa gggtcgcgt ccttgagctt tctgcagat 240  
 tgaagca 247

<210> 27002  
 <211> 85  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700903815H1

<400> 27002

attatgtgtc tcagtttcat ccactctggat tcttttgagt gtttctcttc tctctcccc 60  
 taagctctaa tttctcttt ttccc 85

<210> 27003  
 <211> 260  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700903816H1

<400> 27003

cgcgctctct ggaggctcac tccggagcgg ggctagtgcg cgcccgattc ggcttcggca 60

agaaaaaggc tcccgcccca aagaaagcct ccaggggatc gggccgagac accgacagac 120  
 cccttttgta tccgggcgcc aaagcgccgc aatacctcga tgggagtgct gtcggagact 180  
 acgggttcga tccgtttggg ctagggaagc ccgcggagta cctgcagtcc gagctggact 240  
 cgctggacca gaacctgcga 260

<210> 27004  
 <211> 267  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700903818H1  
 <400> 27004

gctttagcca tcactaacac tcagtctctg aattggggct gagggtttcg agtaacgttt 60  
 atttttcacg agtttaagat atcatgggta aagagaaggt tcacattaac attgtgggtca 120  
 ttggccatgt tgactctggg aagtcaacca ccactggcca cttgatttac aagcttggag 180  
 gtattgacaa gcgtgttatt gagaggtttg agaaagaagc tgctgagatg aacaagaggt 240  
 cattcaaata cgctgggtg ttgacaa 267

<210> 27005  
 <211> 265  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700903819H1  
 <400> 27005

taactagaaa cagtgtgatg aaaatgaagg tccttgtttt cttcgttgct acaattttgg 60  
 tagcatggca atgccatgcg tacgatatgt tccctctccg aatgaacact ggctatgggtg 120  
 cccgtactcc ggaggtgaaa tgcgcaagtt ggaggcttgc tgtggaagca cacaacatct 180  
 ttggctttga gaccattcct gaagagtgcg ttgaagcaac aaaggaatac atccatggcg 240  
 aacaatatag atcagactcc aaaca 265

<210> 27006  
 <211> 263  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700903821H1

<400> 27006

atcactagaa gtgttgatg catttctatt tctaactaat tattgtgctt attattattg 60  
 ttgagaaaga aaagaatggc aaagttaata aaattctttg agttgaacac aggggccaag 120  
 attccttctg ttgggttagg cacttgcaa gctgagcctg gtgttgtagc caaagctgtc 180  
 accacagcca ttctggttgg atacaggcat attgattgtg ctcaagcgta taacaatcaa 240  
 gcagagattg gttctgctct taa 263

<210> 27007

<211> 257

<212> DNA

<213> Glycine max

<223> Clone ID: 700903822H1

<400> 27007

gttgagagag agaaagcatg aaaatttgta gtgggttttg gttttggttt tggagttggg 60  
 ttataatct ttaatcttgt ttgggagaga gagagagaga gagagatgta catagcttcc 120  
 atgggaaggt ctttcaagga ctcttgaaa ctgcttgaag ctgatattca ccatgccaat 180  
 accctggcgt cagattttcc aagggaatat gatgggacct gccttcagat gagaatgtca 240  
 tacagtccag cagcaca 257

<210> 27008

<211> 258

<212> DNA

<213> Glycine max

<223> Clone ID: 700903823H1

<400> 27008

caaaaagaag gctacaccaa cacctccaaa aaaagctgct gctgctgctc ctgccaatga 60  
 tgagcttgcc aagtggatg gtcctgacag aaggatcttc ttgcctgagg gtctcttgga 120  
 ccgatccgaa atcccagagt acttgaccgg cagaagtcct tggagactat gggtatgacc 180  
 catttggctc tagcaagaag ccagaagact ttgccaaata tcaggcattt gagttgattc 240  
 atgccagatg ggcaatgc 258

<210> 27009  
 <211> 256  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700903824H1

<400> 27009

ccttgGCCCA gtatttctga aagtGctaaa agccttgTta ggcaaAtgtt agaacCtgac 60  
 cctaagcttc gattaactgc caaacaagtG cttgagcatc cctggctcca aaatgctaag 120  
 aaggctccta atgttccact tggagatgtt gtcaagtcaa ggcttaagca attttcgatg 180  
 atgaacagat tcaaaagaaa agcccttagg gtcattgctg atttcttata caatgaagaa 240  
 gttgaagaca caaaga 256

<210> 27010  
 <211> 256  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700903826H1

<400> 27010

tattttcatt gcacagagac acatgagagg tcaactctaa ctttttctcc ctcaatttca 60  
 gttcttctac gttctaacca ttcgcaaaac gccttcgttt taatcttaca tcctcgttag 120  
 tcgttagttc ttacgcgaac cagctgaatg cacggcaacg tcggtcacgt gaccaatggc 180  
 ttctcatcaa ttctcgaca acttcataat tcccgatcac attctcgta cgggctcctc 240  
 cgactccgat gttgaa 256

<210> 27011  
 <211> 245  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700903830H1

<400> 27011

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 ctgggatctt gtattccatt gggttgtgat tagtctgtgt tatatttggg tattgtgcta 120

003220" ETTT2560

gattactgtg tcttgtgagc atgggtgattg agattctcct tacagttttt ttgtacttgc 180  
tagataacgt ttattgacat ggatcactgt ttttgtatac atatgtatct ggattttgtt 240  
ataaaa 245

<210> 27012  
<211> 260  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700903831H1  
  
<400> 27012

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catcaccctt gaggtggaaa gctctgacac catcgacaac gtcaaggcca agatccagga 120  
caaggaagga atccccccgg accagcaacg tctcattttc gccggaaagc aacttgagga 180  
cggccgtacc cttgctgact acaacattca gaaggagagt actcttcacc tcgtcctccg 240  
tctccgtggt ggctgcagat 260

<210> 27013  
<211> 267  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700903834H1  
  
<400> 27013

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tggttgtctt ctgaagagaa tttttttttt tttttatcat tcatgggttt ttttgtagca 120  
catgtagtgc aaggatcagc actagccctt cttggattat ggcacaccat ccacaccatc 180  
agatcttccc tggatgaagg ccctgccaac ttcactgtaa gattctggta ccagtttaac 240  
actaccctc agtctagact taacact 267

<210> 27014  
<211> 265  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700903835H1

<400> 27014

ctcgcgtgca ttgcagccag accaagcgag aaagggaaga gaattcgaga gagaaacttc 60  
 agagagaaag agagagagag agaaactaga gagagaaagc aaagcccaaa caccctttt 120  
 aaccattgca attctcgttc ggtttcagag aaccctttt gaattttttt gaattttctg 180  
 ggaaacaggg cgttttgtga acatcatctg ggttctctcg atctccatct ttttttctg 240  
 ggtttccgtg ttttctcctc agatc 265

<210> 27015

<211> 278

<212> DNA

<213> Glycine max

<223> Clone ID: 700903836H1

<400> 27015

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 tggcagctgc aacatctagt gctgtgttaa acggcttttg atctcattc gtgtgtggag 120  
 gaaagaggag ccatgccctt cttgctgcta gcattggagg gaaagttggt gcttctgtta 180  
 gtccataaag agttattgtg gcagttgctg ctgcaccaa gaagtcattg atccccgctg 240  
 taaaagggtg tgggagtttc atagaccag aaggcttg 278

<210> 27016

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 700903839H1

<400> 27016

gatttctgag ttctgagaga ctcaaaagtt cagagtggta tgggcagtgt tgtgatttgg 60  
 tccagaagat aacaacacga cactacactc gtgccgtttt ccttgccttc aaacaaggat 120  
 tggattatat tatttatctt gcattcattca tatggcatcc gctcccttca ttcacgcgcg 180  
 ctgtgattac tcgcctagta tttccaatcg caatagcatt cttagttcgc gacaaggccc 240  
 gttggcgtgt cgtc 254

<210> 27017

002220"CTTES60

<211> 253  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700903840H1

<400> 27017

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at ttggttgg gttgaatccc tgggttgaag cgttgcagac atcacggcta ttctaagagt 120  
gtctcgctct ctcatcatg tcccaactgt acgacggagg acaggttgcg taactgccac 180  
caacccttcg ccgcacggtg ggcgtggtgc tttgccttct gaaggtggta gcccttcaga 240  
cttgctcttc tta 253

<210> 27018  
<211> 66  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700903841H1

<400> 27018

cttagctcaa acctcacctc aataatctat cgtgctagct agcttaatca tattccaatt 60  
ccacac 66

<210> 27019  
<211> 80  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700903842H1

<400> 27019

ggaagaagag gttttcggtt gggttaagcaa gatggatttg gaagcagaga aagagcatga 60  
agctgcattt gcagtggcct 80

<210> 27020  
<211> 226  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700903843H1

<400> 27020

gtgattctca taaatgcagt gctaacatct attccaattt atttgctatc ttttgtcagg 60  
gtccctagggc aggtgattag caagataacc agattacaaa ggaacttctt atgggggtggt 120  
gcagctgacg aaaataagat cccttggatc aagtgggaaa aggtgtgttt gccataggaa 180  
caaggtgggt tgggagtcaa ggatatcatc tcgttcaaca catcat 226

<210> 27021

<211> 256

<212> DNA

<213> Glycine max

<223> Clone ID: 700903847H1

<400> 27021

accgggtgca tactttgttt ggacatcacc actcaciaat gctcgtaca aagagaatca 60  
gaaaagggtg aagtttatac aggattttac attaacacta cactgggagc ttctgtcaca 120  
gcaagatgaa actgtcgtat ggaagaaaac tagtaaaaaa agttgctatg catcaagaaa 180  
gtctggttct ggcccttctt tgtgtggtag aggtattgat gtggagactc ccgattatca 240  
gaattgctaa ctgcat 256

<210> 27022

<211> 265

<212> DNA

<213> Glycine max

<223> Clone ID: 700903850H1

<400> 27022

agcaattcct cttgcattgg aaggaaaaga tgtgatagga cttgccccaa ctggttccgg 60  
taagactgga gcttttgctc ttcccatatt gcatgcctta ttagaagcac cacgccccaa 120  
agatttcttt gcttgtgtgt tgtctccac aagagaactt gctattcaaa ttgcggaaca 180  
gtttgaagct ctaggttctg agattggtgt caagtgtgcc gtgcttggtg gaggaattga 240  
catggtacaa caatccatca gatag 265

<210> 27023

<211> 63

<212> DNA

<213> Glycine max

<223> Clone ID: 700903854H1

<400> 27023

cccgcatcga gcgagcgga aggttgagat ccaagatcca aaccaaacc ccacacaaca 60  
tac 63

<210> 27024

<211> 249

<212> DNA

<213> Glycine max

<223> Clone ID: 700903856H1

<400> 27024

cttgccatat tgtgccctcc ctctttctag ctatatccct ctctttatac aattaacaaa 60  
gatatatcat atcatatcaa ctccaaatga tgaaaaatat tgggttggtt cttcttggtg 120  
tggtggctac ttttgtggtg gcagccacag ctggtagctt ttaccaagac tttgaaataa 180  
catggtgtgg tgagcgtgcc aaaatctatg aaactggaca tcttctcacc ctctccctag 240  
acagagctc 249

<210> 27025

<211> 99

<212> DNA

<213> Glycine max

<223> Clone ID: 700903857H1

<400> 27025

gctcggatgt cggctctagt agctatgaat gctattatgg tgaggaggat actcatatgt 60  
tgaggaactg gggacgtcat ggaagtatat tgggaaggc 99

<210> 27026

<211> 251

<212> DNA

<213> Glycine max

<223> Clone ID: 700903858H1

<400> 27026

003220.032200

tgattagtta acataggaaa catttacttc acaaacacga gcccatccga agtgtaccaa 60  
gcataccttg accagtttag tccatatttc aatctgtttc taaaatcacg cgcgaggaa 120  
ttattgcgtg gtggtggcat ggttctaagt ttcattctta ccaacaaatc ttagaacat 180  
gccaccacca cgcaataatt ctaagatttg ttggtagaga tgaaactttt gacataataa 240  
ctcctggggg t 251

<210> 27027  
<211> 258  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700903814H1

<400> 27027

cacagatact tgattctacc gaaaaggcta ttgagcatag cttggcaagc accggtcgtg 60  
ccaatgtgcy agcaacggca atatactcgg agagttcaaa gacttcttgc ttaacatggc 120  
ttgtgatgtt tgtgatgaca tgtgtgtttg tcatggttat tcttctaate cgtgtcacat 180  
agtgtagtcc acgtttcacc gggtaaaata aataacttcc aatataactt tttttctcaa 240  
tctttaacag ttttcctt 258

<210> 27028  
<211> 241  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700903859H1

<400> 27028

gcagagatga caggtgggat gtgtggacag aaggtgcaag agatagaggt gacagtgggtg 60  
atgatgccaa agaaggtggt ggacttcaac ggcgtaacct ccgtctgata agtgagttgc 120  
tatgggganc gccaccgagt tcgtggggaa atgcttgggc gcattaggtc atgcagttga 180  
tgctctcact gccctgcgct cgccatagta tctccttgca gctgtatcag tgctacgcag 240  
a 241

<210> 27029  
<211> 102

<212> DNA  
<213> Glycine max

<223> Clone ID: 700903860H1

<400> 27029

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aaagcgaatc tctctgcgta tctttgcgct gctcctcttg at 102

<210> 27030

<211> 241

<212> DNA

<213> Glycine max

<223> Clone ID: 700903777H1

<400> 27030

gtgttgaacc tcatgttgga caaataatct tgcaatttct tctgtattga accgtttctt 60

ggatgatgga tgtaactcaa gctttagggtg tcagctaaac taatggtttg aatgttgctt 120

ttgccagaca ttaaaaccaa tttgtaatct gccttacttt ggagcagttc ttgctatgtg 180

cttaaaaata gtagtttgat tggattgcca tttaaaaaaa aaaaaaaaaag ggcggccgcc 240

g 241

<210> 27031

<211> 238

<212> DNA

<213> Glycine max

<223> Clone ID: 700903779H1

<400> 27031

ctctttgaca caaggaagaa gcctaacaat attaagcttt atgtccgccg tgtctttatc 60

atggacaact gtgaggagtt gattcctgag tatttgggct ttgtcaaggg tattgtggat 120

tccgaagatc ctaacaattc aacatttcaa gagaaatgtt gcaacagacc aagatcttga 180

aggtcatcag aaagaacttg gttaagaagt gccttgagct cttctttgaa attgcaga 238

<210> 27032

<211> 238

<212> DNA

<213> Glycine max

<223> Clone ID: 700903780H1

<400> 27032

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gaggggatgg gagatcaagt ggattgaacg gtgcagaacg ttctggaaca ggagactctg 120  
aagtgattct tcgttggtgg tcacaggcgg cgtcggcaaa aggaaatgca gttcaatcct 180  
ctcaattctc ttcgcaacgg ttggttcttc ggtcttcac atctcaacgg acccggcc 238

<210> 27033

<211> 240

<212> DNA

<213> Glycine max

<223> Clone ID: 700903782H1

<400> 27033

ttgcgccacc gggtttctat ctgctgtttg tgggccatca agaagttcca agccacggta 60  
tttgggtcca gatgggtgga aattgtgaat tctcgtctct gcctgctcga caacttcgtt 120  
cgtatatgtt ctttttatct aagttattta ttgttgtgaa tgtctgggag tgaacagatt 180  
cttgagtgag tattttaaact gtaagatatg ggaagataaa attcaaataa agccatttat 240

<210> 27034

<211> 95

<212> DNA

<213> Glycine max

<223> Clone ID: 700903783H1

<400> 27034

cctcttcttt ctgcattgt tccttatctc catcttcttc ttcttctcca caagaacaac 60  
tatagaaacc gtcacctcca tccactcaga tctct 95

<210> 27035

<211> 240

<212> DNA

<213> Glycine max

<223> Clone ID: 700903785H1

<400> 27035

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 accgccgatt acctgtggcc ggatttgaag aagcggaagt ctgacttgga cgttgacttc 120  
 gaggctgatt tcagggattt taaagacgat tctgatatcg acgacgacga cgacgatcac 180  
 caagtcaagc cctttgcttt cgcgcctct tctcgtctgt ctacggcagc gaaatctgtg 240

<210> 27036  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700903786H1

<400> 27036

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 atgagaacat ctctgagat gctatgctgt ttttgccctg ctcttttag gcagttcctt 120  
 gagattgtag tgaacatgaa gtttgatgaa gaacctact attccaggct aatatctttg 180  
 tttgatggta tgcttgacc gaatcctgca ttgaggccaa ttaacactga aggtgctcaa 240  
 a 241

<210> 27037  
 <211> 116  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700903787H1

<400> 27037

caaaattctc ttccgtttca ggattagggt ttcaccgtta cagtgaaca tggcaaaacc 60  
 aaagcgaatc tctctgcgta tctttgcgct gctcctcttg attccacac aacata 116

<210> 27038  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700903788H1

<400> 27038

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 caagatccct attccaaaat ggccgcttct gcttcttcca gtccgtggct ggctccaaac 180  
 cccagcaaaa gatggggcga actcttcttc cttctctaca cccctttctg gctcaccc 238

<210> 27039  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700903790H1

<400> 27039

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 gctccgcctc aggccggcga ggtccgtgtc caaatcctct tcaccgctct ctgccacacc 180  
 gatgcttaca cttggggcgg caaggatccc gaaggctctt tcccctgtat tcttg 235

<210> 27040  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700903791H1

<400> 27040

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 aagggcttca caaccccaaa tgtgatgctt cccatcaaca tgaccatgat ggttcaaccc 120  
 tccaagtgtt ccatgtggtt cagcccatgt tcccattta ggccctcaaa gccaatgtca 180  
 tgggaagaga gtgtcctaaa gctacaagcc aaggaccaag ccaggatgca gtacctt 237

<210> 27041  
 <211> 235  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700903792H1

<400> 27041

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gcatatcttt ctctaaggag aatgaaactt caatctggag cttaaattca acttgatcac 120  
 tctttgcatg tgggtgataa tattaattaa acaaagaatc acatgtacta agaaggacca 180  
 ataattgaag tacctagcac attagagata gtggcttttt tttattttgt cttgt 235

<210> 27042  
 <211> 238  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700903793H1  
 <400> 27042

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 tctcgagaaa acttcacttt ccctgaaaat cattccgctc tcctctcgct ccgaaatccg 180  
 aaaagggttaa aatcgcggat tgaaaaagcg aaattctttt tgaaacaacc tgcacgat 238

<210> 27043  
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 <213> Glycine max  
 <223> Clone ID: 700903794H1  
 <400> 27043

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 tgccaagggg gttgagaagg actatgttat ctttcttgca gcaagggtt ctaggattga 120  
 gaatcaggat gctatagatg ctgcaatagt tgggatgctt gctgatccaa aggaggcaca 180  
 agctggtatc agggaggtcc acttt 205

<210> 27044  
 <211> 241  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700903796H1  
 <400> 27044

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ggcaaagcct cctccaaaga agcgaatgga taagctcgat accgtcttca gctgcccttt 120  
 ctgcaatcaa tggcagcagc gtcgaaatgc cgccttgacc atgaagacct tgatagggga 180  
 agctatttgc gggatatgcc aagagagctt tagcactacc atcacagctt tatcagagcc 240  
 a 241

<210> 27045  
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 <213> Glycine max

<223> Clone ID: 700903801H1

<400> 27045

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 tagatcaaca aattaaagta ttaaactttg agcttcagtt ttttgttctt gactacttgt 180  
 aatttattat ggagttgatg ggggggtggaa aatttagtag gtgttttggt gttgttggtg 240  
 ttggtgtgtt gttcttagtg gggtcagtgg tgggatt 277

<210> 27046  
 <211> 270  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700903802H1

<400> 27046

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 caaaggggca aattggtatt tgcaaacaac catagggcca ngcagtgccc tcacatcctc 120  
 attgaaattc tcagcaatgg ctaatgctat aactttgaag aagttgatca ggaaggggat 180  
 acccccagtt cttaggccta agatttggtt ttccttgta ggggcagcca agaaaaagtc 240  
 caccgtgcct gacagttatt atgatgattg 270

<210> 27047  
 <211> 267  
 <212> DNA

<213> Glycine max

<223> Clone ID: 700903803H1

<400> 27047

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 tttgggtgggtg gtgatgatcg tgaagccctt gcttatggag ctcgtatggc tgagcaccct 180  
 ggcacagat tgctggttat tcgctttgta ggggaaccaa tgaatgaagg agagattgta 240  
 agagttgatg tgggtgactc catggca 267

<210> 27048

<211> 91

<212> DNA

<213> Glycine max

<223> Clone ID: 700903804H1

<400> 27048

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 gctgctaaat tcattgataa gcttccacac a 91

<210> 27049

<211> 266

<212> DNA

<213> Glycine max

<223> Clone ID: 700903805H1

<400> 27049

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 tctaatttgt tcataactca ataattctca tcatgggctc cttgattggt ccagggtgaac 180  
 atgatcacia actaaagctt gtttctcttc cctttgtatc aaccagtcac ctcatcccg 240  
 tagtagacat agctaggcct ttgcca 266

<210> 27050

<211> 260

<212> DNA

<213> Glycine max

<223> Clone ID: 700903807H1

<400> 27050

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acaagtgatt tgttttgtat ttgagaacgc aaagtaactg tttcgatgat gggaaaagca 120  
tatctgcctg tctgccctta gagaacaagt cttgaataga tttcggtaaa ttaaaaatgc 180  
tcttgctgat cctcttttgg aatgattaat aaaacattac attattgtat cttctacttc 240  
gaccgccgtt gtggacaaaa 260

<210> 27051

<211> 259

<212> DNA

<213> Glycine max

<223> Clone ID: 700903808H1

<400> 27051

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ttgccttgtt ttcaacatca gtgtctttgc tgcacctctc ttcattatta ggcgagtcac 120  
aaagacgagg agcgtcgaat acatgccatt tactttgtcc atgtttttaa ccatcaatgc 180  
tgttatgtgg ttcttctatg gccttctcct cagggattat tacgttgctc ttccaaacac 240  
gcttgggttt cgctcggca 259

<210> 27052

<211> 260

<212> DNA

<213> Glycine max

<223> Clone ID: 700903809H1

<400> 27052

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caataattat caaacctaac cagtaaaaat ggtgaccgtg gaggaaatcc gcaacgctca 180  
gcgttcccat ggacccgcca ccctcttggc cttcggcacc gccacgccgt ccaactgcgt 240

ctcccaagcc gattacctga

260

<210> 27053  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700903811H1

<400> 27053

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cctttgactt gagtaaattg cgtgggttact atgctcaacc aattctttct tgcttacacc 120

ttgattcaat ccagcaccct gagttcctag caagagaaga tgaagagttg agtgcaggtg 180

atgatgtgaa agtaggagtc aagaggagga ggggtgataa ggggtctcct cagtcttcga 240

taagtcgcca ggggtta 257

<210> 27054  
<211> 258  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700903812H1

<400> 27054

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atctctctca gcttccccat tctcgggatt cggcgtccag atcacagatc ccgttcaatt 120

ttttttccgc atcccccgat cggggtttgga ttctgaagaa agttcaattc cgcacaaatt 180

cgagacaatt gctgctgtcg aggctcgcgt tgcgcatggg taagattctg agagaaaccg 240

cgaggccggt ctcgaatt 258

<210> 27055  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700903813H1

<400> 27055

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gattcactgg tggagttctc gggaatttgc tctggttggtt gtcttggttct taattttgct 120  
 tccattggtc ttgtaccgtc gcgtagagtc gttgaagttc agttctgcaa tatcaactct 180  
 tcttgctgtg gcatttgta caatatgtac cgtgtagca atagttgcta ttgttgaagg 240  
 aagaacacag tccccta 257

<210> 27056  
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 <212> DNA  
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<223> Clone ID: 700903776H1

<400> 27056

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 agtctaagtt taaggcctaa gttctctcag ttctcattca acccacttcc atcatcaact 180  
 tctgcccctt cttcaccccg tacattcaca actctggccc tcttcaaata taagaccaa 239

<210> 27057  
 <211> 124  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700903725H1

<400> 27057

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 cacaattgct accagacttt gtggccctaa ataaagacaa ttgaagaagg ggaataagat 120  
 ccat 124

<210> 27058  
 <211> 245  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700903726H1

<400> 27058

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atgggaattt ctggaacaac agactatgga tcattcacat accaaaacct tgagagggga 120  
 acccaactgg ccctcagaaa agctcagaat ttccatcact ggggctgggtg gtttcattgc 180  
 ctcacacatt gctcgccgcc tcaagacgga gggacattac atcattgctt ctgattggaa 240  
 gaaga 245

<210> 27059  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700903727H1

<400> 27059

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 gtttcagcca tggttttcga ttcaatcgcc gccgtgccga ttccctccgc cgcaaacc 180  
 aggaaccggy ggaagaagaa gaggaccaac aggtccgcga aattgaagca gtacaaaatc 240  
 gatg 244

<210> 27060  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700903728H1

<400> 27060

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 ggatgaacag aagccaaaag agcagaaacc caaagccagc gagaacaaac ctataatgac 180  
 agagtgacaa caaatttgct gcattcagtt gtagaatgat aataggtggt agatattgca 240  
 tttg 244

<210> 27061  
 <211> 243  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700903729H1

<400> 27061

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 ggtgtatgat atcacgccat ttctggatga gcatcctgga ggagatgaag ttttggtaac 180  
 gtcaacaggg aaggatgcca ccattgattt tgaagatgtg ggccacagtg attctgccat 240  
 aga 243

<210> 27062

<211> 244

<212> DNA

<213> Glycine max

<223> Clone ID: 700903730H1

<400> 27062

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 catgggggggt ttcttggtag tcaacctgtg ggttcaatgc caaagtcttt tccaccgttt 180  
 cagcatccaa gtcaccaact tttagaagaa aatggtttca aacaacagaa gtacttgaag 240  
 tatc 244

<210> 27063

<211> 244

<212> DNA

<213> Glycine max

<223> Clone ID: 700903731H1

<400> 27063

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 tcggggacat ggggtgctggg aaatccagct tcgttttgcg ctttgtcaag ggtcaatttc 180  
 tcgaatttca ggaatcaaca ataggggcag cgttcttttc acagacgctg gcagtaaagt 240  
 acgc 244

<210> 27064  
 <211> 246  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700903734H1

<400> 27064

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 ccgtgcttaa tccttaagaa taacgaatta caacaactaa ccatgttgca ttgtctcaac 120  
 acttctgtgt cggacatcac actcttgga agacaacggg aagcaaccat caagtgccag 180  
 aaccaccaac caccctactt aacgtatatt aacgcggtct tcccttcttc ttcttcttct 240  
 tcttct 246

<210> 27065  
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 <213> Glycine max

<223> Clone ID: 700903736H1

<400> 27065

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 gaggcacccg aggcataagg catgccattg ttgaagagtt agctgagttt ggagcaactg 180  
 ttcatatatg tgcacgtaat caagatgata ttgataaatg tttagaagag tggaaaaaca 240  
 aggga 245

<210> 27066  
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 <212> DNA  
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<223> Clone ID: 700903737H1

<400> 27066

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 cacaattgct accagacttt gtggcctaaa taagacattg aagatgggat aagatcatag 120

ttggtgacat tggttatatg ggtctctcat attttcttct aatccatgtg cttgtttctt 180  
 ggggagtagt gataaatctt agtgtaaaga aagaaggaat tttactctag tatagggtta 240  
 tacct 245

<210> 27067  
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 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700903739H1  
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 tcgtgagga gaacgtgggg atggtcttta cttcatctag gagggagagg ctgaggttgt 180  
 tggctctgtt aatgctgacg atgataatca tccagagttt caattgaaaa gatttgacta 240  
 ttttg 245

<210> 27068  
 <211> 246  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700903740H1  
 <400> 27068

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 ttgcttatat atatatatac tacttattag gaactgtgat tgcagttcct aatgcagatt 120  
 ttaacgcggc gccaaggagc atttttgtgc ttctggttgt ctgtgttctt tgtggtagta 180  
 gacttttgct ctggtgacca tagtacagtc gaggtagtag gggtgggaga atgcgcagat 240  
 tgcaag 246

<210> 27069  
 <211> 242  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700903742H1

<400> 27069

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 aaaaagtagc ctcaattgcc tatgcccga ttcaaggaaa agcttctctt attgctcatt 120  
 ttcagaactc aagcctgatg aacgaagaca aacgttgccg tctattctc ttccatacag 180  
 atggcccaac tgctggatg cgggagcctt ttcccatggg tgccaatatt agactgagac 240  
 ct 242

<210> 27070

<211> 242

<212> DNA

<213> Glycine max

<223> Clone ID: 700903745H1

<400> 27070

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 atttaaaggc gcgccataat ttctagtttt gcagatacat ttttctctgg aaaaatctct 180  
 gaatttcgga actctggact atctgctaga ttgtgcctga gtttgtactt gtggccatgg 240  
 tt 242

<210> 27071

<211> 245

<212> DNA

<213> Glycine max

<223> Clone ID: 700903750H1

<400> 27071

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 actcaccatt tgtcacctag agagggaagg gtccatgaca gaataagagg agggttgcaa 120  
 gatgatgaga ggagaaactc caaggatcga ttgatgggga gagaactacc gggatgatagg 180  
 agtgattttg ctgcgccaaa aagtctttct gaacttaaaa atgggaggaa caccgagaat 240  
 agggga 245

<210> 27072

<211> 247  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700903751H1

<400> 27072

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 ccgtttttttt gggtttctttg tacttggttt tggtaaaagt ttatggggag aagaaggtgg 120  
 agtatcttttc gttggggaat gaggatgaag agtcaaacga cgacgttgag tcacaaaaga 180  
 gcggtgcctt tgatcacagc agcaaaagct tcattcaggt gggcaaaatc ttttctcaaa 240  
 atgacat 247

<210> 27073  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700903753H1

<400> 27073

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<210> 27074  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700903754H1

<400> 27074

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 ctgcctgaga aagtgactgt tgatgggtgac aagatggcca tggttgcttg tggctggcgg 180  
 cacacaatat gtgtttcatc ttctgggtgga ttatacacaa atggatgggg caaatacggc 240  
 ca 242

<210> 27075

<211> 244  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700903755H1  
  
 <400> 27075  
  
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 attatggcta gcatgaaggt tacatgggtg gttgtgatca tgtgcatggc cgtgggtgggt 120  
 gcaccgctga tggcgcaagc catgacatgc aatgatgtga cggtgaaacat ggcacagtgc 180  
 ctatcctacc tgatgcaggg aggaacacct tcaacacttt gctgcagcgg agtcaagaac 240  
 attc 244

<210> 27076  
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 <213> Glycine max  
  
 <223> Clone ID: 700903758H1  
  
 <400> 27076  
  
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 caaggaccta tgtggtgat 79

<210> 27077  
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 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700903759H1  
  
 <400> 27077  
  
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 tgtcgtcaac caccctcca 79

<210> 27078  
 <211> 242  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <223> Clone ID: 700903760H1

<400> 27078

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 tctcgtacga cagcgccac gcggaacaagg ccgccacgtt gcgcaccgag gatgagctga 180  
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 ag 242

<210> 27079

<211> 239

<212> DNA

<213> Glycine max

<223> Clone ID: 700903761H1

<400> 27079

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 agctccggaa attatgaagg aacattggaa cacttttatt gttgaagatg atttcaagtt 180  
 catgaagagt catggattag atgctgctag aattcccgtt ggctggtgga tagcaagt 239

<210> 27080

<211> 239

<212> DNA

<213> Glycine max

<223> Clone ID: 700903764H1

<400> 27080

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 ggtaggcat tgtaataact tcttgatcaa cggcataagt tcagcaagtt aatttgcatt 180  
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<210> 27081

<211> 241

<212> DNA

<213> Glycine max

<223> Clone ID: 700903765H1

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gtgaaaaggg ggcaagtttc actcttgaag ggttttgagg ggtgtcaact tctgtttgga 180  
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<210> 27082

<211> 244

<212> DNA

<213> Glycine max

<223> Clone ID: 700903766H1

<400> 27082

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ccatcgaggt caccctcaca acctcacctt ctacctctgc ctcagtgagt cttccccgcc 180  
gctgcgccat cgttcctcag caacttcggg tcgtccttgc acaacgccgt cgagggtgcc 240  
ctca 244

<210> 27083

<211> 249

<212> DNA

<213> Glycine max

<223> Clone ID: 700903724H1

<400> 27083

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aaagtatgaa aggaaaagta ctaggttccg cagtttctct catactagta gtgggtgtgg 180  
taattggcgt ggttgctgta gttcaaagcc caaagggcgt gaacaacaac aacaatggag 240  
gagaattga 249

<210> 27084  
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 <212> DNA  
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<223> Clone ID: 700903771H1

<400> 27084

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 acgctaagat cgaagcacgc catgtgtggc gccactgccg acatcaaggc tgcaccttta 180  
 gctgatggag aagcagatca cgcggttctt gtgggccccg ccagcgagga cgagagaaaa 240  
 gg 242

<210> 27085  
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 <212> DNA  
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<223> Clone ID: 700903775H1

<400> 27085

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<223> Clone ID: 700903675H1

<400> 27086

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 aattttatcc atcacccaaa attcttgatg caaattatta ctttctgttc ctcatattcaa 180  
 tgggtcaatg ttctcttttt ttggttacac ttcttctgc 219

<210> 27087  
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 <213> Glycine max  
  
 <223> Clone ID: 700903677H1  
  
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 caaaagtgga agatcctgtt gccaatccta atgcctatag aaatcttgtc ttaccgtga 180  
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 <213> Glycine max  
  
 <223> Clone ID: 700903678H1  
  
 <400> 27088  
  
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 tctccagaca acatac 76  
  
 <210> 27089  
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 <213> Glycine max  
  
 <223> Clone ID: 700903681H1  
  
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 ctcataacaa aattccccac acacatt 87  
  
 <210> 27090  
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 <213> Glycine max  
  
 <223> Clone ID: 700903682H1  
  
 <400> 27090

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<210> 27091  
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<223> Clone ID: 700903685H1

<400> 27091

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 tcggtgacca tgccctccat tgaggttgggt actgttggag gcggcacaca actcgcattc 180  
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<210> 27092  
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<223> Clone ID: 700903686H1

<400> 27092

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<210> 27093  
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<223> Clone ID: 700903687H1

<400> 27093

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 cactctcact cgccttcttc ccagaccgca ccttccttca tccaccctcc acacacctct 180  
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<210> 27094  
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<223> Clone ID: 700903688H1

<400> 27094

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<210> 27095  
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<223> Clone ID: 700903689H1

<400> 27095

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 aagctacgtg gtatccttaa cgttgctgcc atcaaagctc ctggccttgg tgagcggcga 180  
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<210> 27096  
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<223> Clone ID: 700903691H1

<400> 27096

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cctcttcttc tcagatctga aactacttgt ttttaactttt tctattcaac gactccgttc 180  
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<210> 27097  
 <211> 225  
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 <213> Glycine max

<223> Clone ID: 700903692H1

<400> 27097

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 gaatactccc tccatgcttc agcatgtgtg gcgggggata gcgctgctta tcaaaggaca 180  
 tcgacattcg gggacgatgt tgtgatcgtg gctgcttata ggact 225

<210> 27098  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700903694H1

<400> 27098

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 aaaaagaaaa agaaaagtgg attagcttat cagtctagca tgaatctgac taaactcatc 120  
 acagattctg tcgtgcattt atctcacgta ttagaggatg ttttgacatg gataactgaa 180  
 tggaacaaaa gacctgaaga tgagcatttg gagaatattc ttttacttct tcgg 234

<210> 27099  
 <211> 237  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700903695H1

<400> 27099

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gacgtgaaga cgctggtgaa gtacaagcac gggaagaagt actgcgacaa aggatgggaa 180

tgtaagggtt ggtcaattta ctgttgtaac ctcaccatta ccgattattt ccagacc 237

<210> 27100  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700903701H1

<400> 27100

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ttctccacca tttaatacat attattatac tacaaaaaca taacctccag aacacattta 120

tatattccct tggtgcatat atactttggt gttgttggtg ttgttggtct tcttgtaa 180

ggcgaatgca tctgggttct tcagcccttc ggttccccac ttcaaagtga gggttaagcc 240

tctcaccact gcc 254

<210> 27101  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700903702H1

<400> 27101

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atctcgaagg aggatttgaa ggaagtgacc cacaaggttt actttgatgt tgagattaat 180

ggaaaagaag caggctgtat tgtgatgggt ctttttggaa aggctgttcc aaaaactgca 240

gaaaactttc ga 252

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<212> DNA  
<213> Glycine max

<223> Clone ID: 700903705H1

<400> 27102

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 gaccggtgct cccggettca caccaagccg ac 152

<210> 27103  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700903708H1

<400> 27103

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 tgtgacacac gatatagcga aggatgcaat ggagggactt atgg 104

<210> 27104  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700903710H1

<400> 27104

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 atgcgactcg ttctacttta attcgatgat gatcgccact atatgccgcc ctgtgcgttc 180  
 cccgtggaca taaccaatgg atcgctgctt ccgatttttt ccatgcctcg ccgatcctgg 240  
 tcgaagg 247

<210> 27105  
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 <212> DNA  
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<223> Clone ID: 700903711H1

<400> 27105

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 gaacaaacat gtacccatct tcttcattgc ttggtcagag caaggatgct gctgtttcag 120

cagttccagt tgatgaattg attgagaagg ctgatggatt tgctggagta tttcctgaac 180  
 acaaatatga aattgtgaag aggctgcaag agaggaagca tatttgtgga atgacaggtg 240  
 atgggtg 246

<210> 27106  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700903712H1

<400> 27106

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 agagtcggtg aacgagggac accctgacaa gctctgcgac caaatctccg atgctgtcct 180  
 cgacgcttgc ctcgagcagg acccagacag caaagttgcc tgcgaaacat gcaccaaacc 240  
 caacttgg 248

<210> 27107  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700903713H1

<400> 27107

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 tgatgatgag tgattacaag gtcgagatga ttaatgatgg aatgcaagaa ttttatgtgc 180  
 aattocatgg acccaatgac agtccttatc atgggtggtg gtggaaagta agagttgagt 240  
 tgccgga 247

<210> 27108  
 <211> 245  
 <212> DNA  
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<223> Clone ID: 700903714H1

<400> 27108

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 tcagtgtatc aatttctaca aactttatga gatgctggat catgctatct agtttggaat 180  
 attgagtttg ctagttaaag tggtgttttg gatggtaaatt ttggtgcttc atgtctggtg 240  
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<210> 27109

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700903715H1

<400> 27109

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 gcacggcgat ggccgctggt cgctctcttc tctctctctt ctcccttttc tctctctctt 120  
 tcctttctga aaacgaagcc cttctcaact tcaagaaatc attctctaac cccgtagctc 180  
 tctcttcttg ggttcccaac cagaaccctt gctctccag gtggctcggc gtcattctgct 240  
 tcaacaa 247

<210> 27110

<211> 243

<212> DNA

<213> Glycine max

<223> Clone ID: 700903716H1

<400> 27110

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 agtaaccctc cctcggagaa atcatcaagg aaaacgcgcg gtttgctcag tgagccaggg 180  
 cctggaataa gtgcgtcccc ttcggaggac aatatgcggt atttcaatgt gatgatcctt 240  
 ggc 243

<210> 27111  
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 <213> Glycine max  
  
 <223> Clone ID: 700903719H1  
  
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 aggtgagcat atttgtttca tgcgattact ttt 213

<210> 27112  
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 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700903674H1  
  
 <400> 27112  
  
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<210> 27113  
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 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700903720H1  
  
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 agtgggatta aaatcgatgt aaatatccaa actggtgaaa cttttgtgca attttctgac 180  
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 gatggga 247

<210> 27114  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700903721H1

<400> 27114

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 tatacctgca gccttagcat tctcatcatc ttcacatctt tctttccctc gctcttccca 180  
 atcccccaat ccccaaaata gattaggtct tgtcaaaaca cttgctactc ctccctctgc 240  
 tctccac 247

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 <212> DNA  
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<223> Clone ID: 700903722H1

<400> 27115

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 ctccggttat cctccacttc tgggcgtcgt agtgccaact tccaagcaca tggaccaact 180  
 cttctctcac ctttccactg atttccc 207

<210> 27116  
 <211> 238  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700903630H1

<400> 27116

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 ttgtgctgtg cggttggtga gtggtttttg gaagaggagg cttgagctaa acgctgcgtt 180

tcgacgacga tgatcgtgag ccagaacatg gtgacggagg cggaaattat ttgcaagc 238

<210> 27117  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700903631H1

<400> 27117

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 acaccttaat ttgcatacgc tgcttcttca gcttgagaaa tggcacaaga aacctttcta 120  
 ttcacatctg aatctgtaaa cgaggggtcac cccgacaagc tgtgcgacca gatctctgat 180  
 gcagtgcctg atgcgtgcct tgaacaggac cctgacagca aggttgccctg tgagacatgc 240

<210> 27118  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700903632H1

<400> 27118

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 acatgatcac cgctaaggta ggaaattatg taggaaggct tacacgctat tctggcaacc 180  
 tgttgaagtg cagagtgggt cgccttggtta attatccttt ttcccattaa ttctcttc 238

<210> 27119  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700903633H1

<400> 27119

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gtatccctgg gtgcttgaaa acctcaaggc tgagcgcgaa ag 222

<210> 27120  
<211> 224  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700903634H1

<400> 27120

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aaagccaggg tttgggacca ccaaaaatta cccaaggcc caagtcattg aaagaataag 180  
ggttggaagt gcaacagagg ttgctttcac cctcttgccc attt 224

<210> 27121  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700903635H1

<400> 27121

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agccccaact ttaactctgg gaattattcc tcgactgggt cttacttcaa tggaggactg 180  
cactcttctg agttggctgt tgtgtgcct ggatctcc 218

<210> 27122  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700903637H1

<400> 27122

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catcatcctc catcttcttc tcttcacacc aattccacac aacatacgag cat 113

<210> 27123  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700903638H1

<400> 27123

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 caacaagacc ttctctttca tctcaacttc aacctcaacc tcaacctcaa cctcttatgg 180  
 tggacctcac tctcattcat gaagctgatt c 211

<210> 27124  
 <211> 206  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700903639H1

<400> 27124

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 ctttccgaaa catcggatac tgtgaaagct aagggttcag acaaaggagg ggttccccct 180  
 gaccagcgga ggacttatct ttgcgg 206

<210> 27125  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700903640H1

<400> 27125

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 tacagatcgt gatgccctca cttaaattgc aggagtcaag cttgatggga ctggccagct 120  
 caagaacatt ttagtaactg ctgcttcagg tgggtgtagg cactatgctg ttcaactagc 180  
 aaaactaggc aacacccatg tcacagccac ttgtg 215

<210> 27126  
 <211> 216  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700903641H1

<400> 27126

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 tcgacaatgg cggagacaga gacgtttgct ttccaggctg agatcaacct gtcctcagt 120  
 ctcatcatca acaccttcta ctccaacaag gaccttttcc ttcgtgaact catcagcaac 180  
 gcctccgatg ctttggacaa gattcgattt gagagt 216

<210> 27127  
 <211> 212  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700903642H1

<400> 27127

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 aaatcagcaa tggcatttac tattgcccga tcggtgttag ggcaagtaat tggttcaaga 120  
 gctgagaggt acaggctgaa ggcagttgct gcaagaaagg tgtctataac tgaaacctct 180  
 ggtgttggtc ctctccagtt accagtggct ac 212

<210> 27128  
 <211> 231  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700903645H1

<400> 27128

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 cagtgaactg taattgtgaa aaggttggaa gatctggcca aagaaggtga tagccctgta 120  
 gattcgttcc catggttcga tccttcccag taaaacgcgg cgtgttcgaa ttctgatcgc 180  
 ttttacgcga gaaaggggga ccacctcta agcctaagta ttcctcaatg a 231

<210> 27129  
 <211> 238  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700903647H1

<400> 27129

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 gggctctggt ctctactctg acatcggcaa gaaagctagg gatctgctgt tcaaggacta 120  
 ccacagtgc cagaagttca ccataccac ctactaccg actggagtgg ctattacagc 180  
 atcaggaacc aggaaaagtg aactgtttct ggctgatgtc aacaccagtt gaagaaca 238

<210> 27130  
 <211> 126  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700903648H1

<400> 27130

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 acaccaacag gaacctctta gcgaatctct aacaggaggg ttccatgctc actttcgaac 120  
 agcaca 126

<210> 27131  
 <211> 114  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700903649H1

<400> 27131

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<210> 27132  
 <211> 219  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700903650H1

<400> 27132  
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 gtggcttcct cttgaagcta accctgaagt catgaaccag ttcctttggg gtcttggcct 120  
 tccattggac gaggcagatt gctgtgatgt gtttggctta gatgaagagc ttctggaaat 180  
 ggttcgaag cccgtcctcg ccggtctttt tctttatcc 219

<210> 27133  
 <211> 215  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700903651H1

<400> 27133  
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 ttttctcgt cggtgccctt atcaacgggt ttgcccaaca cgtgtggatg ctcatcgtgg 180  
 gtcggatctt gctcgggttc ggtatcgggt ttgcc 215

<210> 27134  
 <211> 213  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700903652H1

<400> 27134  
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 attcacaaga ttggggagac cttcatgtg ggagggcaca agaaggagga ggagcataag 120  
 ggtgagcacc atgctggaga atacaaaggg gagcaccatg gtgaacacag tagtgagtac 180  
 aaaggagagc atcatggtga acacaaagct gga 213

<210> 27135  
 <211> 135  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700903655H1

<400> 27135  
tagacatcta gattgcacaa ggtgcaaac ctggtgaagg tggacaattg cctggaaaaa 60  
aagtttagcat gtatatgtct aggttgagaa attctaaacc aggagttcct cttatatctc 120  
cacctcctca tcatg 135

<210> 27136  
<211> 218  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700903657H1

<400> 27136  
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tcgtttctcg caaagttcaa gtaatcatgg gtaaggaaaa ggttcacatc aacattctcg 120  
tcattggaca tgtcgactct gggaagtcaa ctaccactgg tcacttgatc tacaagcttg 180  
gaggtattga caagcgtgtg attgagaggt tcgagaag 218

<210> 27137  
<211> 223  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700903659H1

<400> 27137  
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cgtttccttc ccggaattcg atttttcatc tctgaaaatg agagagtgca tctcgatcca 120  
cattggtcag gccggtatcc aggtcggaaa tgcttgctgg gagctctact gtcttgagca 180  
cggcatcggg cccgatgggc aaatgccaag tgacaaaaca gtt 223

<210> 27138  
<211> 173  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700903661H1

<400> 27138

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 cttgtcggtc caaccgataa actaagtttc ctgaatagag ccctgtgtta tca 173

<210> 27139  
 <211> 231  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700903662H1  
 <400> 27139

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 gggaagtata tgggtgaaggc aagcgtcacg ttaggccatc caacttttgt ctacactcgc 120  
 cctcttgatg cacaaactcc ttctcttaag gcacagcttt gcaaggagtt caactctatg 180  
 ggggtcacac ttgtccatgg agaacttgag catgaccaga ttctggcagt g 231

<210> 27140  
 <211> 246  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700903663H1  
 <400> 27140

gctcgatcat ttgcataact tcgctgatct ctcgttttca ccatctgggc ctctcagtt 60  
 ttgcgacga ttcttgttct tctcgatcca ttggtgatgg catcgatggg ttctttaccg 120  
 tttcttgtgg aagccaatgc cgactccact ttgatgatga tgatgcttca gaacaggaat 180  
 cacaagtttt cttcacaaa gttaaacact gtgaatgctt catcgttagt aagaggatgg 240  
 gggcgt 246

<210> 27141  
 <211> 224  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700903665H1  
 <400> 27141

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 tgatgtcaat actagcgatc catacgtcgt cgtaagatg ggcaagcaga agctgaagac 120  
 tcgtgtgatt aaaaaggatg ttaatcctga gtggaaggaa gatcttacgc tttctgttac 180  
 agatccaatt catccattta tactgacagt gtatgactat gaca 224

<210> 27142  
 <211> 220  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700903666H1  
 <400> 27142

cctcgctcta tttctcagtc tctgtgtttg cggctgagga ttccgaacga gtgaccttct 60  
 tcgttttctcg caaagttaa gtaatcatgg gtaaggaaaa gggtcacatc aacattgtcc 120  
 gctttggaca tgtcgactct gggaagtcaa ctaccactgg tcacttgatc tacaagcttg 180  
 gaggtattga caagcgtgtg attgagaggt tcgagaagga 220

<210> 27143  
 <211> 231  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700903628H1  
 <400> 27143

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 tccccTTTT tccctccgc aacctccaac ttccacaaac tctacaattc cccagaaact 120  
 ggaacctacg ctctatctcg ccatcgctgc acccaacgcc gcaatacgac gattccgaag 180  
 accacgtcat cggcgactgc gtcgtgttcg aggacggcgt tttcgacgaa c 231

<210> 27144  
 <211> 201  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700903667H1  
 <400> 27144

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gcaatggcgg acacttggca tcgatattcg ggacggagaa ggacaggggtg aactgcccgt 120  
tctacttcaa gatcggcgcg tgcaggcacg gcgaccggtg ctgcggtctc cacacaacat 180  
acgagaaaag gtcgccgtgc c 201

<210> 27145  
<211> 209  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<223> Clone ID: 700903670H1

<400> 27145

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cagtagtgct cagantctaa gggtagttgc aaattgcaat ggctaagcat gatgttgagg 120  
gtgggttcctt ctctgcaaag gactaccatg atcctcctcc agcaccgttg attgatgctg 180  
aggaactcac acagtgggtcc ttctacagg 209

<210> 27146  
<211> 83  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700903578H1

<400> 27146

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ttgcaatttc tgtgtcacca atc 83

<210> 27147  
<211> 250  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700903579H1

<400> 27147

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gtctctcctc cttccttcgg tttcaggaac caacaagaac aagaacaagg ttccagaaga 120  
 caaatgggtt tagcctacat tgtgtatatt accctgggtc tcggttacct tctcccatgg 180  
 aacgctttca tcaccgccgt tgattacttc tcctttctct accctgacgc cagcggttgac 240  
 cgcattcttcg 250

<210> 27148  
 <211> 151  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700903581H1  
 <400> 27148

ataaactcct accaagggtc tctcgttcac tcctctctct ctcacgtac gtgcatccat 60  
 ctctcaacac caaattacta cttgcttctc ttattactct cccaatatt gcctcttgta 120  
 ctttttatgt gattgccctt gaacccttca a 151

<210> 27149  
 <211> 249  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700903582H1  
 <400> 27149

gctaaattag attagtatct cctcaagcaa aacctagagc tcccacactc ctccactact 60  
 tagaatatta aaagcccctt ccttcatcaa ggtactactg tttcatcttc cctcaaagat 120  
 tggaacaaaa caggaacatg ggtactctaa caactgttcc tgtgctccct tctaagctta 180  
 ataagccttc gctttctccg cgtcacaatt ctctttttcc ctactacgga agacgcgtcg 240  
 ggaagaaga 249

<210> 27150  
 <211> 249  
 <212> DNA  
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 <223> Clone ID: 700903583H1  
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 tattaccctt tttcattttt gaactatcgt ttgaaattga agtacaatgg cactttcctt 120  
 cagggatgaa gtgatacctt tggagccatt caagttccct ccgagaaatt atggggagca 180  
 caaactcaaa gatcgttgca gaacttcgat atcgggtgggc cccgcgaacg catgcccga 240  
 cccatcatt 249

<210> 27151  
 <211> 248  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700903585H1

<400> 27151

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 ctatggcaga tgagggtggt ctgctagatt tctggccaag tccatttggg atgaggggtca 120  
 ggattgactt gctgaaaagg gtatcaaata tgagtccaaa gaagaggact tgcagaacaa 180  
 gagccctttg ctctcaaaa tgaaccgggt tcacaagaaa atcccgggtc tcatccacaa 240  
 tggcaaac 248

<210> 27152  
 <211> 250  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700903587H1

<400> 27152

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 attccctgct cgatgtaggg aacaacaact atattgtttc actggccaaa gcaaaccatg 120  
 acccttagga attgattttg gaatggccac tggtcgtttc agcaatggaa gaacagttgc 180  
 agatgttata aatcagaaac tgggtcttgg cttttctcct cttacttgg ctcccactac 240  
 tactggatca 250

<210> 27153  
 <211> 248  
 <212> DNA

<213> Glycine max

<223> Clone ID: 700903591H1

<400> 27153

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aatggtggag aaggccaagg gtaggaagga ggaggttgct actcgagagt acaccatcaa 120  
cctcccaaac gcttgcatgg ctgcacattt aagaagaagg ctcctaaagc aattaaggag 180  
ataaggaagt ttgctcagaa agcgatgggg acgaatgatg taagagtgga tgtgaagctc 240  
aacaaggc 248

<210> 27154

<211> 65

<212> DNA

<213> Glycine max

<223> Clone ID: 700903593H1

<400> 27154

cttaccctta ctttgcctac agaagcgacc ctggcagagc tgataacctt ggtttgtgcc 60  
ttttc 65

<210> 27155

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700903594H1

<400> 27155

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atattcagga tcaatttgag cttcaactca ctttccggat ccattcctag tagtctcact 120  
atgtcccttc tctaaccatt cttgcacttc aacacaacaa tctctctggt tttatcccag 180  
attcttgggg tggaactgga aagaagaaag cttcccagct tcaagttttg acgcttgatc 240  
acaatct 247

<210> 27156

<211> 225

<212> DNA

<213> Glycine max

<223> Clone ID: 700903603H1

<400> 27156

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 agcactccaa ccatgaatca aaccaaactct gctacttaac accttgggat attgctatgt 120  
 tgtctgtctca ctatatccaa aagggccttc tttcaagaa gccctcatca ccacttgta 180  
 gtcacaataa tttcatagag aacctgttgc agaagctcaa gcact 225

<210> 27157

<211> 219

<212> DNA

<213> Glycine max

<223> Clone ID: 700903604H1

<400> 27157

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 gtcttggaat gactgttccc ggaggttggt gcatagggaa aaggagaaat ggcaccgatc 120  
 cctgtcttga agtcggtgat actaacgttc tgaggcctgg cccaggttcc aagagacttg 180  
 aaacattaat caactcattg ttgtcgaatg aaaagttcc 219

<210> 27158

<211> 79

<212> DNA

<213> Glycine max

<223> Clone ID: 700903605H1

<400> 27158

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 tgaattcccc cacacatac 79

<210> 27159

<211> 215

<212> DNA

<213> Glycine max

<223> Clone ID: 700903606H1

<400> 27159

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gttttcgggg agctgggcag aaggaaaaga ggctcctagc gtgaagggtt cttgtctcgc 120  
ccaggaggtg ggaacagttg aaaacaaagt ggcgaacggg tgcgtaatgc gtgggaatct 180  
gccgaacagt tcgggccaaa tcctgaagaa agcta 215

<210> 27160

<211> 224

<212> DNA

<213> Glycine max

<223> Clone ID: 700903610H1

<400> 27160

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acaaaagcct cctctaccaa ccccccaaca caaaaacctg ctgcatatcg tcctccacat 120  
gctaagaatg catctgctat tcaggcagag ttgtttggag agactcctgc agaaccactg 180  
agcaagaatg cattacgaaa caagaaaaag agggaaaaac agaa 224

<210> 27161

<211> 227

<212> DNA

<213> Glycine max

<223> Clone ID: 700903611H1

<400> 27161

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tgtttcgcca tctctctctc tcaacactct cttcatcgtc aaagcgcttc cactatctcg 120  
ccctctatt ctctctctcc ctctcccaa atccctactc tctctctcca cgcgccgccg 180  
caccttcate gtccgcgcgc aatccccaaa cggcgccgac cccgttc 227

<210> 27162

<211> 229

<212> DNA

<213> Glycine max

<223> Clone ID: 700903612H1

<400> 27162

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 cacgcgctgg ccaggtatt gcacacgccc ttgcagcccc ccgccgtctt ggtcgtcggc 120  
 caccagaccg acggaagag cgcctagtc gaggccctga tgggcttcca gttcaaccac 180  
 gtcggcgggc gcacaaaac ccgccgccc atcacctcc acacaacat 229

<210> 27163

<211> 229

<212> DNA

<213> Glycine max

<223> Clone ID: 700903613H1

<400> 27163

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 cttttaccat cttgggagtt attgcagggt taattccata tcctcatcat aatcagtcac 120  
 ctagaaacac gtatcagtgt gccatgggta agcaagctat gggaaatata gcatttaacc 180  
 agctgogccg gatggacagt ttgctttacc tactggttta tcctcaacg 229

<210> 27164

<211> 236

<212> DNA

<213> Glycine max

<223> Clone ID: 700903614H1

<400> 27164

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 tcctgttcct ggtggctgtg gctgtctcaa cgccggcca cattcactct gaagcgatcc 120  
 tgagactccc gtccgagagc gaggagatct cgcgcgacta ctgacagcgt ggatgctggc 180  
 ggtggagacg aacaacgccg ggacgtggaa ccgcgtgccg gcgagttgcg tggact 236

<210> 27165

<211> 243

<212> DNA

<213> Glycine max

<223> Clone ID: 700903615H1

<400> 27165

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 tgctccgacc attcctccgt ccattctctgc cggaatttca agctccgacc cctttccggc 120  
 tattctctgt cccaaacttt tccactcggc tttctccggt cgccattaca aaattacctg 180  
 ggactgaggt attctcacia tttgagtcgg gtaatggttt agcatcagtg ctgagaagct 240  
 ctg 243

<210> 27166

<211> 237

<212> DNA

<213> Glycine max

<223> Clone ID: 700903616H1

<400> 27166

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 ctgcggcggt tgggtgtact cgcgggcagg gttccatgct cactttcgaa gggcagaaga 120  
 tccaaggcgc ttccaacatc gttgccaagc tcacctccct cccttttcag cagtgccacc 180  
 actcaatctc caccgtcgac tgccagccct ccggcgtaaa cgcgccatgc tcgtctt 237

<210> 27167

<211> 219

<212> DNA

<213> Glycine max

<223> Clone ID: 700903619H1

<400> 27167

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 tcgatttttc atctctgaaa atgagagagt gcattctgat ccacattggt caggccggta 120  
 tccaggtcgg aaatgcttgc tgggagctct actgtcttga gcacggcatc gggcccgatg 180  
 ggcaaagtc aagtgacaaa acagttggcg gaggtgatg 219

<210> 27168

<211> 216

<212> DNA

<213> Glycine max

<223> Clone ID: 700903620H1

<400> 27168

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ggaagtggac ggttgcttcc gctctccttc ttctctctct cctctttctc tttgcagatc 120  
aaggtcgaaa gtttcaggcg aatgccgagg gagattccga cgagcttgta gatcctccga 180  
aggtggagga caagatcggg gctgtgcctc atggcc 216

<210> 27169

<211> 122

<212> DNA

<213> Glycine max

<223> Clone ID: 700903621H1

<400> 27169

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aaccagactc aattacactc aatgaaaaag ctcatcagtg cataccacat tgaccctgcc 120  
cg 122

<210> 27170

<211> 214

<212> DNA

<213> Glycine max

<223> Clone ID: 700903622H1

<400> 27170

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tgacaaaaat tgtgaaaagg gggtccttga ttttcaccaa ttcattggcat ttcagcacta 120  
catttcccg gatttgaaaa ccatcccaaa tgctgtgact gaggcagaaa accccaatgg 180  
ttgttttgat tgtaacatct gcttagactt tgca 214

<210> 27171

<211> 253

<212> DNA

<213> Glycine max

<223> Clone ID: 700903577H1

<400> 27171

tgaaccaat tccacattct tcttttcgag tcacaccatg aaacctcttt tcggcttcgc 60  
aatcggttc ctctctctcc tacattctc tcttgcttc gacatccctt accccaaagc 120  
aatttcgat tgaaggatac aattgtgaag ggatttgggt ttacggcgga agatgatgtt 180  
aagattacgg gggtcgatcc gagagacgcc gaggtagggc attccgtgga gtaccaattc 240  
gacctcaaaa tcg 253

<210> 27172

<211> 214

<212> DNA

<213> Glycine max

<223> Clone ID: 700903623H1

<400> 27172

ctctgttctt cttctgggtc tcgttactct ttcagattgt tgctaaattt ggcagaaaaa 60  
agccacgtgt atttctgaga gattgtgttg tgtataatga ggactttcgt tgaggattgg 120  
aacctggagt gttgggggtt aaggaaaact agaaccgaat gatgcgtaaa ccagtgtcac 180  
aagaaaagac aattgcttta cgcattcttc gggt 214

<210> 27173

<211> 221

<212> DNA

<213> Glycine max

<223> Clone ID: 700903625H1

<400> 27173

gcaaaagaag ccagcaatgg ccaagtccaa gaacaatgcc aagaagttgt cctacatctc 60  
agttccatct cagatcatca attccatctc atcttcatct cttcaatctc tgcttgaatc 120  
tccaagaag tgtgcaaggc actccaaatt cttcaccttt gtcaagtgca tgaggccaag 180  
actcttcttc cttttcaccc tctttttcct tgctttcttt g 221

<210> 27174

<211> 222

<212> DNA

<213> Glycine max

<223> Clone ID: 700903626H1

<400> 27174

attcattgtc ttaatgtag caatgtcttc ctctttctcc atccatttct tctctctcct 60  
 ctcaatagcc ctttgctcag tttgttgctt agcagcatct caagctccca ccaccaaadc 120  
 acaccctat atccttccca ttaagaaaga ccccgcaaca aatttgtact acacttcagt 180  
 tggcattgga actcctagga acaactttga ttagtcatt ga 222

<210> 27175

<211> 223

<212> DNA

<213> Glycine max

<223> Clone ID: 700903627H1

<400> 27175

cacctctgta gtgtagccac caccaatcac aaatagccct cttggccttc aatttcgtcc 60  
 aattccaaat catggctagc ttttcagttt tcacgtctta cattgttttg agtctagtga 120  
 tggcactagc aattagcggc ttcaatttca aaggggcaga ggcagcacgt gccttctttg 180  
 tgtttggtga ttctctcggt gacaatggca acaacaacta ctt 223

<210> 27176

<211> 257

<212> DNA

<213> Glycine max

<223> Clone ID: 700903531H1

<400> 27176

cagttttctca gtttcttatt cgtagatct catcttacac tcaccgtcaa gttcgtctcg 60  
 cgccaccgtc gacgcagttc cgccactgc ctttggttcc ctactttct gtctcttctt 120  
 cttcttctca gaaatctct tctcagaagg ttgaaacggg tcatcaagac acagtccatg 180  
 atgttgcat ggattattat ggtaagaggg tggccacggc ttcacgat cacacgatta 240  
 agataattgg ggtgagc 257

<210> 27177

<211> 257

<212> DNA

<213> Glycine max

<223> Clone ID: 700903535H1

<400> 27177

agcgaattaa gacagtctct gaggttttgc aggtaagttt tattaaattc agcatgataa 60  
tataatttga gaattagaat tttgtattta ggttttagc tgtgtagagt atctcctcaa 120  
aagttatgga agcctggata atcggcctct ctctataaga ttaaagggac tggaatgcat 180  
gaaaggttct ttggcaaaag cccgggttct gtatgctcct gtggaagaga ttgccagtga 240  
gggtcgtctt ttacgtg 257

<210> 27178

<211> 255

<212> DNA

<213> Glycine max

<223> Clone ID: 700903538H1

<400> 27178

gaaacacaca gaagacagag tgagacgctt ctcacgatgg agggaggagt atactacgcg 60  
cgcatgcctc gggtaaaaat ccgcgagctg aaggacgact acgccaagtt cgagctccgc 120  
gacaccgacg cgagatcgcc aacgcgctgc ggcgcgtgat gatcgcgag gtgccgacgg 180  
tcgccatcga cctcgtggag atcgaggcca actcctcggg gctcaatgac gagtttatcg 240  
ctcacaggct gggcc 255

<210> 27179

<211> 257

<212> DNA

<213> Glycine max

<223> Clone ID: 700903540H1

<400> 27179

ccactgaaac cttcacctcc ttctcagggt cgcgccaga aggattcacc tgttgctggg 60  
gatgataata atgtcattac attagagttt cagaggcaga aggctaagga gcttcaggag 120  
tatttcaaac agaaaagctt gaagatgcaa atcaggggcc tttctttgga ttcatggca 180  
aaaatgagat tagcaatgga agatgggcaa tgtttggtt tgctgttga ttgctaacag 240

agtatgctcc gggatca

257

<210> 27180  
<211> 254  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700903541H1

<400> 27180

gctatggagt ggaaaatatg tggatgtagg agatttcggg atgaatggcc tcaaaacgct 60  
ttgtcgtttg tggttattga gtcttgagt atcttgatc cgcaccttg ccatgacagg 120  
tgcgcttgca tgcagggtcaa aaaatgttaa taaaaaaagt tttattgggt tggggagaga 180  
tcgcacgggg gttgcccggt gtctcttctt cttgtgtgt gtggtgtttg ctgtgctctc 240  
cttttcgtta tgcc 254

<210> 27181  
<211> 256  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<223> Clone ID: 700903542H1

<400> 27181

gcataacagc accaacaatg gtgaagcatt acagaccccc ggggaagaaa aaggagggaa 60  
atgctgcaa atttgttatt aggtcacagg cactcaagca gttcaaatac agtttaccac 120  
ttttcaggaa acttgtattt tgaaagggtg aactccccgg gagcccaaga aaaagttcaa 180  
gggaactcat cagacttatt accatgtcaa ggatgtttcc ttccttcac acgagccttt 240  
gngtgaaata cataga 256

<210> 27182  
<211> 253  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700903544H1

<400> 27182

gtgccacact gacacatcag aatggaaccc taaacatttg gcctttcagg tgctcaaagt 60

taagccagga actattcctg tctgccactt ccttcctgag gatcatgttg tttgggttcc 120  
 caagtagatt tgcttcaagt cctttttcca tatatgtcct tgaataacta gcttcaatag 180  
 catcagctac agaactcgat gcatgtattt gctcgtacta tatagttctc tagatatgta 240  
 tacttttttg ctg 253

<210> 27183  
 <211> 256  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700903545H1

<400> 27183

ctagagtctt cagttttctcc tcgttggttct tcgctttcct gttttcaatt tcgattcttt 60  
 cgттаattta атаагаггтт тgggagggca cgaagaagag cgataatacg aggtactacg 120  
 aaatcctcgg ctctccaaga acgcttcgca ggatgatctg aagaaggctt acaagaaagc 180  
 cgccattaag aatcaccccg acaagggcgг tgatcccгag aagtttaaag агctggcgca 240  
 агcttatgag gttctg 256

<210> 27184  
 <211> 84  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700903546H1

<400> 27184

gtgagagtga агсгagaagc gagaagcgac atggatccag acgcgttggc aaatgcattc 60  
 gtggagcact actactccac cttc 84

<210> 27185  
 <211> 253  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700903549H1

<400> 27185

gccttgcttt cttcttcact tcaaacttgc таатсгсгаа gatggcaata gaattggcat 60

ctcccaattg ggttccaacc gcagccgcat gtttggcagc cttggccgcc ctctcctct 120  
tctcctccg cggtcccgcc gccgtaaata caatctcccc ccaggcccca agccctggcc 180  
catcataggc aacctaaact taatcggtc cttcccacac aagtcgaaat taacgctgag 240  
taaaacatac ggg 253

<210> 27186  
<211> 251  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700903551H1  
<400> 27186

cgcatgagag atggaggtag tgggcaaggt gggcgaggtg atttctttcc tggtaggggc 60  
aacaggggta ggggatccgg tggccctcgt gggggtcagtg ttggttggg taggggtgaa 120  
cgtggtatgg tgatcggtat aacatggagg ggcgtggaca aggtcgtgga cgtggaagat 180  
ttgacaatag aagagatgtt tcttccaaag gtagaggcag aagtcatagt cgtagccctg 240  
aaagagtccg a 251

<210> 27187  
<211> 254  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700903553H1  
<400> 27187

ctcttataat ccttgctttg gtgcctcttc taggactaaa tggatatctg caattcaagt 60  
tcttaaaagg attcagtgca gatacaatga aattgtatga ggaagcaagc caagtggcaa 120  
atgatgctgt gggagtataa gaacagttgc ttctttctgt gctgaagaga aggtgatgga 180  
attataccag gaaaaatgtg aaggaccaat taagacaggc aaaaggcaag ggataataag 240  
tggaattagt ttg 254

<210> 27188  
<211> 140  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700903554H1

<400> 27188

taatggggca agtggagggt atgattatat aatagtgggg ggtggaacag cagggtgtcc 60  
attggctgca accctgtctc agaagttcaa agttctgctg cttgaaagag gaggagtccc 120  
tttcaacaac ccaatgtgtc 140

<210> 27189

<211> 255

<212> DNA

<213> Glycine max

<223> Clone ID: 700903556H1

<400> 27189

cacaagccta gtgaaagtga gaaaaaataa aatcaaaga gcataatgtc agggatcatt 60  
cacaagattg gggagaccct tcatctggga gggcacaaga aggaggatga gcataagggt 120  
gagcaccatg ctgagaatac aaaggggagc accatggtga acacagtagt gagtacaaag 180  
gagagcatca tggatgaacac aaagctggag agtaccatgg tgagcacaag ccagagcaca 240  
aagagggggt cctag 255

<210> 27190

<211> 248

<212> DNA

<213> Glycine max

<223> Clone ID: 700903558H1

<400> 27190

acgacggctc cgtcgaacgg cgtcggcgcg tatccggcgg cgcgagtacc gcaaggaccg 60  
ggaggagtgg agcgacacgg cgattgtgtg cctcctcgag gcgtacacgg agaagttcac 120  
gcagttgaac gggggaacct gaggggaagg gattgggagg aggttgcggc ggtggtgagc 180  
gaacggtgcg agaatcaatc aaagagcgtt gaacagtgtg aaaacaaggt cgataaccta 240  
aagaagag 248

<210> 27191

<211> 254

<212> DNA  
<213> Glycine max

<223> Clone ID: 700903560H1

<400> 27191

aaaaaaaggt acatcattta gatggtatgc cgcagttgtg taaggtcttt ggttggtcaa 60  
gctggaacct tcgccaacag agtgagaatc aacggatttg ggaggagttt gcaggcagtt 120  
cagagttttt ccattggcca attcgtgaat acaagacaac cacaaggatg atggttgata 180  
cgggttctat gtcaagggtt ggaccccttg ttgatacgat gccagagaaa gatgatgatg 240  
gtcggtttgc cagt 254

<210> 27192  
<211> 254  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700903561H1

<400> 27192

ccctatcgcg caggagaatg tgttggtctt ttctccccga cgaactgtgg aggccaattc 60  
tgagatcgcg aatcgagagc aacggtttca gttacaagga tctctgctgc gtctcaatct 120  
catgccgccg cttcatcgcc tctcctcgga agaactcttt tggaaccgtc ttctcttctc 180  
tgactatccc caatcccaat ctcacccttc ttcttcttct tcttcttctt cttctaaatc 240  
tctttacaga ttaa 254

<210> 27193  
<211> 254  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700903562H1

<400> 27193

gaggaatctt gagaaatggc aggggacagc aagagcaaga ttctgttcat cggagggact 60  
ggttacatcg gaaaattcat cgtggaagcc agcgccaaag ctggccaccc aactttcctt 120  
ttggtgaggg atccactctc tccaaccccg caaaatcacc cctcatcgac aatttcaaag 180  
gcctcgggtg caatcttgtt ttaggagatc tatacgatca ccagagtttg gtgagtgcta 240

taaagcaggt cgat

254

<210> 27194  
<211> 233  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700903563H1

<400> 27194

tggtcctctc ttctcctgaa ggatatgcag tgcagatgtg tgggtgtgaag tggcgaatcc 60  
ccaaaatggg tgacaacaga aagaagcacc gtcgtgtgca agactcgccg tcttctctcat 120  
cctcttcgtg ctcgactccg acgactcttc gcggcgccgg cggcggaggc gtcgagagaa 180  
ggagatgctc agaaagagcg aggaaaagga ggagcgaagg atgaggaaga gag 233

<210> 27195  
<211> 256  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700903565H1

<400> 27195

aaataaagaa aattttctct tcgagatggg gaaccccact atgagcacat aatcataatc 60  
atgaagaaag caggagcat aagctctggt ctcaaactca cagttcctgc tgcattctgat 120  
cgtgattcat ttcaaagttc cggctctgagc ctgaaagtgg aacgtttaag gctgggtgact 180  
tgcttgtaaa taatgaagga gtctgaattg tctctgagaa tgaagtggaa gctccacccc 240  
cgatcaggcc acaaga 256

<210> 27196  
<211> 253  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700903566H1

<400> 27196

ttctgaatgt gctcgttggt tagaaaaccc taatctgatt caattccagc atgggtcaaa 60  
aacaaaagct gcgccttct cctctggagc agccaccac cgcttctct tccgattccg 120

aggaagaaga gagcaacaac aacaacaacc atcctctcag caacacgaag aagaggaaga 180  
 agaagtttcc tccggagaag aagaggaagc ttcctccgaa gaagaggaag acgaaaagtg 240  
 ccctcaccac cca 253

<210> 27197  
 <211> 250  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700903567H1  
 <400> 27197

aaccaggatg agttggatga catcataaga tatggctcaa aggagttatt tgcagatgag 60  
 aatgatgaag caggcaaadc ccgccaatt cattatgatg ctgctgctat tgatagattg 120  
 ctggatcgta tcaagttgga gatgaagagg ctactttgga tgatgaagat gaagatggat 180  
 ttctgaaggc ttttaagggtt gcaaattttg aatatgttga tgaggctgag gctgcagcag 240  
 aggatgacct 250

<210> 27198  
 <211> 251  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700903573H1  
 <400> 27198

cagcattcaa caaacctctt caccttctct atcttccaat cccatttttc attccctgtc 60  
 gtctttcttt gctttctcat ccttttctt ttccaagca attgtactct ttaggggcat 120  
 aatacacgta agcaagttgg tttctggagt agttagagtt acatgtgttt tgcaggcaca 180  
 tggcaatata tgaactggat cccgatgttg ttcgctgggg tcttcatctc ctagatgatt 240  
 gcacactttc c 251

<210> 27199  
 <211> 250  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700903574H1

<400> 27199

catttggtga tgtatctact caaattcaac atttgattga gggtctatct ggggatggct 60  
 ctgtggctat gtgggtggat gaacaaagaa tttggattct gaagtcagtt accagcatat 120  
 ttgcaatata gatggaatca agaagtggct ggggttgaac aagggtgaaat tcaacttgct 180  
 aaacaaagcc attgacaaag agaagctcaa gaaatatgag caaggtaggt tcgatttcca 240  
 aggtgcagct 250

<210> 27200

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 700903576H1

<400> 27200

gcctccggca gatattctgc aggtcgccac tgagggaaat aatgatatgc cgctcagtg 60  
 caaaattctt cctgcagctg ctctcaacac ctctgttctt ccaggctctc tccagctccc 120  
 atccaccctc cagctcctgg ccctccgcaa ccgccaccac accccttctc acacctctct 180  
 cccctcttc gaccccgcca ccaaactatg gctccacttc cccctcgact tccctccctt 240  
 ccactccct ct 252

<210> 27201

<211> 257

<212> DNA

<213> Glycine max

<223> Clone ID: 700903530H1

<400> 27201

tagagatgac acccagtgc gatactgagg agtcagaagt attaagtcca aggagaaatc 60  
 ttgaggagga atatttgacc tatgaagcca agattattac caccttcagt gtagtgata 120  
 acataaaaca gcagtttatg ctcaacaggg gagaatttcc aggaaagatg aagagagagt 180  
 taaagagctg tttgaagcca ttgaaaagt acgaactcaa tttgagtcta tagagagacc 240  
 aattcttgaa atagaga 257

<210> 27202  
 <211> 249  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700903484H1

<400> 27202

agttgaagaa gcctgaacgt tatgtaaaaa aagaagaaaa gaaaggtgtg gttgagggag 60  
 tgaggaaatg gtgcacagcg cgtacgattg tctggaactg gtgcgcgagt gcccagccaa 120  
 gatcgaatcc atcgaatcct acgattcgaa gcttctcgtg ggctgctccg atggatcgct 180  
 ccgaatattc gccccggaaa cggaatcttc ctctccaac gggccaagt cctacgcgtt 240  
 ggagaagaa 249

<210> 27203  
 <211> 250  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700903485H1

<400> 27203

gctcccaact gagtaatcat gatggcaaag caaagtctaa aacaccacac agtgagattc 60  
 tgaaccaaga caaagaaagg gttaagtaca ttaactcaag gatctcaaag aacttggggc 120  
 aagatagtag tgtgagtga ttggactcag ttacactacc agccaagtct ggtagcctta 180  
 ttgggtctgg gaattacttt gtggttgttg gtcttggaac acccaagagg gacttgtcac 240  
 tcatctttga 250

<210> 27204  
 <211> 247  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700903487H1

<400> 27204

cgaagtagaa ggaaagaagc aatcatttcc aatgaaacag atactactaa tggagatgag 60  
 ttggtacact agtcctgaag aggggtgctgg tgaatctagt tcttgtgctt cagacgttta 120  
 tcgattgggg gttctccttt ttgagctatt ttgtccgctc agctcaagag aagaaaagag 180

tagaaccatg tctagcctta gacacagagt tcttctcca cagttacttc taaagtggcc 240

taaagaa 247

<210> 27205  
<211> 251  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700903488H1

<400> 27205

gtaactgtca gcatcattct gccgtcgacg aagctgaaac ttgtttcttc ttttccttgc 60

gcgaaccttt tctactaacc ccaatcgctt ctctcccact ccaattcccc attcctcatc 120

tacataaccc caacccacaca ctctcacaca ccaccaccaa catcatatat tacatcgatt 180

ctcaatcaaa tcccaaacgt ttgaaacca ccgtcacgat gatgctcaga attcgtagcc 240

gcgacggcct g 251

<210> 27206  
<211> 247  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700903489H1

<400> 27206

cataacgaga atctgagcgt gaatttgagt agcgagggga gtttggagga ctatgattcg 60

atggagagtc agaattctca atgggcgcag gggaaagcag gggaggatcg tgttcatgtt 120

gtggtgtctg aggaacacgg ttgggttttc gtggggatct atgatggttt cagtggacct 180

gatgcacctg attaccttct ctccaatctc tacaccgcgg tgcataagga gcttaaaggg 240

ttgttgt 247

<210> 27207  
<211> 248  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700903490H1

<400> 27207

ggaaggtttg gaattgctga aaactgccat tgccaaagct ggttacacag gcaaagttgt 60  
cattggaatg gatgttcag cttctgaatt ctacaaggaa gataaaacat acgatttgaa 120  
cttcaaggaa gataacaatg atggctcaca gaagatctct ggagatgctt tgaaagatct 180  
atacaagtca tttgtgacag agtatccaat tgtttcaatt gaggatcctt ttgaccagga 240  
tgactggg 248

<210> 27208  
<211> 268  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700903501H1

<400> 27208

aacagccacc gttgatttga tgcttaacct ctcaccaag gaagctgctg ctgctgatgg 60  
tgcagatcca cgtgagaagc caaagacttc gccgaaggag aagacccttc tgcttcccga 120  
tcccgccaaag cctcctgcca agcgcaagtg gtgggatggc caccgtgag gtctttccgg 180  
aagaacatgt tgcagccca aaagagcagc ggcggagagg aaagcgaaaa gagcagccct 240  
aatgcaagct ttgtcaaagt tagcatgg 268

<210> 27209  
<211> 262  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700903502H1

<400> 27209

acaaactcaa aaatcaaaaa caaaagggc actgactaat tttcacaatc aactggattc 60  
aagctggttt tctcttctc ttcttcatgt tcattgattg gatcccatct caccccaatt 120  
ttctaagtct ttgtctctca tctccacgt gcactttcct cttctccgct ctaaataatt 180  
ctacattctc tctctctctc tctctctctc aatacaatat tatatgtgtg tgtggaaaaa 240  
agaaccgttt ttcttttcag cg 262

<210> 27210  
<211> 83

<212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700903504H1  
 <400> 27210

gtaggtttgt acatcttttg gtttggggcg aaagttcagc cttgtcagat ttgcatcaat 60  
 ttcaacagag aacaacgtca ttt 83

<210> 27211  
 <211> 261  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700903505H1  
 <400> 27211

gaaaaagtta gggtttgtaa ctttgtcttt tgcttgcgaa tctgaatcga ataataatca 60  
 atcaatcatc atgtcgtcgg cgaagaagat cacactgaag agttcggacg gcgaggcttt 120  
 cgagggtggac gaggcggtgc gctggagtct cagacgataa agcacatgat cgaggacgac 180  
 tgcgccgaca gcggcatccc tctgccgaac gtgacgagca agatcctggc gaagggtgatc 240  
 gagtactgca agaagcacgt c 261

<210> 27212  
 <211> 261  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700903506H1  
 <400> 27212

cacctttctc ctaaaacatc tccagtgggt tcttcttctt ctattacaac aacgtcctac 60  
 aagaccatga ccatggccat ggccacgacg ctgctcctgt tcacggtctt cgcggtttca 120  
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<210> 27213  
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<212> DNA  
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<223> Clone ID: 700903507H1

<400> 27213

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cctgaggaga tagatgatca gaggcaacaa aaccagaaga ttgggacgat gaggaggatg 180  
gtgaatggga agcccecaaag attgagaacc caaaatgtga agcagcccc gggtgtggtg 240  
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<213> Glycine max

<223> Clone ID: 700903510H1

<400> 27214

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ttttttgttc tcaaacttat taggctgatg tattttcctt ctctttttta cttgtgtgta 180  
gttttccctg cctaaagtac gtacttagtc tttttccagt gaaagaaata agcaaaaaaa 240  
aaaaggaatt accaaaatt 259

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<213> Glycine max

<223> Clone ID: 700903511H1

<400> 27215

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ttctttcttcg tcttcgtttc tcaacaaact tccgggtcga cccggatcgt ttaccgcgaa 180  
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ctcttctca tggctctcg

259

<210> 27216  
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&lt;223&gt; Clone ID: 700903512H1

&lt;400&gt; 27216

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 gtactccgga ggtgaaagcg caagttggag gcttgctgat ggaagcacac aacatctttg 180  
 gctttgagac cattcctgaa gagtgcgttg aagcaacaaa ggaatacatc catggcgaac 240  
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 <212> DNA  
 <213> Glycine max

&lt;223&gt; Clone ID: 700903513H1

&lt;400&gt; 27217

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 aacggtagcg tcagcgatcg agtgggcat ggccggagctc atgagaagcc cagaagatca 180  
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<210> 27218  
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 <212> DNA  
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&lt;223&gt; Clone ID: 700903514H1

&lt;400&gt; 27218

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ggctttgctt atcgattctc tctcctctca tctttctcat tcaaggtttg taaaagatgg 120  
 ccgatgctga ggatattaac cccttgtttg tgacaatgga actggaatgg tcaaggctgg 180  
 atttgctggt gatgatgctc ccagggtgtg ctttcccagt attgttggcc gacctcgaca 240  
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<223> Clone ID: 700903517H1

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 ccaccctccg cggccggaat tcaagctccc accgggccc a cccccgtcc caatcttcgg 180  
 caactggctc caagtggcg acgacctcaa ccaccgcaac ctcaccgatt tggccaaaaa 240  
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<210> 27220  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700903518H1

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 ccgatgctga ggatattaac cccttgtttg tgacaatgga actggaatgg tcaaggctgg 180  
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<210> 27221  
 <211> 93  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700903520H1

<400> 27221

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tttatccttg atcacatgtg atgtttgaca gac 93

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<211> 87

<212> DNA

<213> Glycine max

<223> Clone ID: 700903521H1

<400> 27222

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cattctgtgc ctttccacac aagatac 87

<210> 27223

<211> 259

<212> DNA

<213> Glycine max

<223> Clone ID: 700903522H1

<400> 27223

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acaatcatgg acaagggtgc tggccagctc catctccgtt ctggtgtttc tggattagg 120

agttatgaag gagcctctgc taccacacaa tgtaccaaag accctctttt gggaattact 180

cgaatgctgc attgcagtat cctgtgatgc cctcatgcaa agctactatg gatttgtctg 240

ctgctgcaac aactgcctc 259

<210> 27224

<211> 145

<212> DNA

<213> Glycine max

<223> Clone ID: 700903524H1

<400> 27224

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aacacgaaat ggtcttcaat tttgtctctg cactaataac aacagtattg ctctccggag 120  
ccatagttga agttaaggtc ttcca 145

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<212> DNA  
<213> Glycine max

<223> Clone ID: 700903525H1

<400> 27225

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tcaggagaca ggctcactca atccccaaac tgcacctcta ctctgggcag cgctgcccga 180  
cctgccccaa gaccttgttt ctgagatgat gagacccctt ttgaggtctt atgaccctaa 240  
tctcatccaa gacccactg 260

<210> 27226  
<211> 258  
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<223> Clone ID: 700903527H1

<400> 27226

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ctagagccct ccttggttag gacacctcta cctcctcacc aagctcccc accaagcatt 180  
ccacaacatc tcaatacgtt atggtccttt ggtctacctc ttgttcggtt ccaagccttg 240  
tgttcttggt tcatcacc 258

<210> 27227  
<211> 260  
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<213> Glycine max

<223> Clone ID: 700903528H1

<400> 27227

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 catgacgatg actcaggagt tgcactgcta cgcacccaaa ccttaactac aagccggtga 180  
 tcggaatcct gacccacccc ggcgacggtg cctctggccg gctcagcaac gccaccgggg 240  
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<210> 27228  
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 <212> DNA  
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<223> Clone ID: 700903482H1

<400> 27228

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 agaacaagaa gaagaagaaa gagagagagt gatcacggga aaagcaaaaa gttgtttctg 180  
 tgattgattc tctgcaaccg aatcatcatc agccacttct tcccgtttca tctctcccat 240  
 ttctt 245

<210> 27229  
 <211> 84  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700903529H1

<400> 27229

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 tcacgtcaga tttgtttttg tttt 84

<210> 27230  
 <211> 88  
 <212> DNA  
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<223> Clone ID: 700903431H1

<400> 27230

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 tttccacag cctttcattg tgctgggt 88

<210> 27231  
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 <212> DNA  
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<223> Clone ID: 700903432H1

<400> 27231

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 ctcaaacacc acaaaaaaat gggccttggt tcccaggatg ccctcaacca actccaagct 120  
 ctcatggatc aagtgtact tgaggaggag ccaactgcaga gaacgtttca gaatgttcat 180  
 caaggatgtg tcaccgaaac cttaacacgg tttctaaaag caagggagtg gaatgttacc 240  
 aaggcccata aaatgatagt cgat 264

<210> 27232  
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 <213> Glycine max

<223> Clone ID: 700903434H1

<400> 27232

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 atggccgacg aagctgtggt tgttccagat cccaccaga tcgatctcaa gctctttaac 120  
 cgctggagct tcgacgatat tgaggtacca atttccatgt ttttaggggt cagctgctta 180  
 ttaaattata tcttaaaaat ctgtgatgtg tattctgttc tgatgtttt tcgatgtggt 240  
 cttatgtgaa atgtgtaatt a 261

<210> 27233  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700903435H1

<400> 27233

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 ttggaggaat tggaactgtg cctgtgggac gggttgagac tgggtgtcttg aagcctggaa 180  
 tgggtggtgac ttttgcacca actggactga caaccgaagt taagtctgtg gaaatgcacc 240  
 atgaagctct cacagaggc 259

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<223> Clone ID: 700903436H1

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 gtctactaca atgaagcgag ttgcggaagg ttcgtgccta gggcggtgct catggatctg 180  
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<210> 27235  
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 <212> DNA  
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<223> Clone ID: 700903437H1

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 agttcctcgc tcgctagagt tttggattcg tgtgtttgag gaggttattt atggccactt 180  
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 ttacgttcga aaaat 255

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<212> DNA  
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<223> Clone ID: 700903439H1

<400> 27236

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cgcccctgca aggttgtgga agtttcgact tccaaaactg gaaagcacgg tcacgccaaag 180  
tgccactttg ttggaattga tattttcact gccaaagaac ttgaggatat tgtgccctct 240  
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<223> Clone ID: 700903441H1

<400> 27237

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ttgggaatgt gcaacaaaag acactagagg tcgtgtatga tgttgagggt gggaggatag 180  
ggtttggtgc tgctgggtgc aactgaagtt agtttgatta atagtggagt taattaaaca 240  
tgctttgggc ttg 253

<210> 27238  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700903445H1

<400> 27238

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atcctcatgc ctcaagggtc tgctacttac tacaaccaa ttaagaagcc accagtgtac 120  
aagcctccag tgtacaagcc accagtgtac aaaccaccgg tttataagcc aaaaccaccg 180  
gtttacaagc cgaaaccacc ggtttacaag ccaccatata agaagccacc atacaagaaa 240

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254

<210> 27239

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 700903446H1

<400> 27239

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gttgctagca tgagtttcat cttcagtgc tcttggaatg gtgtcaaaga agctcccagt 180

gccccatgtg ttggcaacct atcagtctca aagatccaac aagccaagaa ttacttgagg 240

cagtggaaag ag 252

<210> 27240

<211> 250

<212> DNA

<213> Glycine max

<223> Clone ID: 700903448H1

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ggtttgggtg gactatttcg ttcagtttcg atggatcctt gttatTTTTg tggtccttcc 180

catctccttc accatttatt tccttacata ccttgggggtt gtaagatctg agtggaaagtc 240

ctataagacg 250

<210> 27241

<211> 130

<212> DNA

<213> Glycine max

<223> Clone ID: 700903450H1

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tttttccttg atcggtctta gttcccaagc acagaattac gcttttggtg tgagagaggc 120  
caagtataca 130

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<212> DNA  
<213> Glycine max

<223> Clone ID: 700903451H1

<400> 27242

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gtttctatcc cagctttcag ccaccaagtc tcaatcctcg agttcgcaaa acgtctcct 119

<210> 27243  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700903453H1

<400> 27243

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ttgggtattg gaaaccatt ctcaacggtc ttagtaacaa gcattttgcg gacactgagc 180  
cgcatcacac agaagagctt gaccctgaaa aactggagga gcaagctact gtattggaga 240  
aagagctgat cct 253

<210> 27244  
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<223> Clone ID: 700903456H1

<400> 27244

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tggttttggg attggtggtg actaccctct atcagctaca atcatgtctg aatatgccaa 180

caaaaagact cgaggggcat tcattgctgc agtggttgca atgcagggtt ttggaatcct 240  
 ggctggtgga at 252

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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700903458H1

<400> 27245

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 caattctctt ccttctcttc atttcccttc ccttctcttc cgcaaagctc aacgtctatt 180  
 actacaaaaa cacatgccca gacttcgaaa aaatcgttag ggaaaacgtc ttcaccaaac 240  
 aaagcgct 248

<210> 27246  
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 <212> DNA  
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<223> Clone ID: 700903459H1

<400> 27246

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 ccgtgcagtc tgaagccgtg gattcgagtt ctcaagattg gaaggcaaga ctaaagcttc 180  
 caccagctga tactctcgat aaaacagagg atgtaacggc aactaaagga aatgagtttg 240  
 aggattactt tt 252

<210> 27247  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700903462H1

<400> 27247

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cagtgcaggt ccagctggg cagcaaccta ctcgccat 159

<210> 27248  
<211> 255  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700903466H1  
  
<400> 27248

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aataatttat gggagcagaa agacaagaca aaacaagaga gaatgagtgg cggatgagga 120  
ggagaagagg aagcaactct ggagttcact ccgacgtggg ttgtggccgc cgtttgcaca 180  
gtcatcgtcg ccatatctct cgctgctgag cgcctccttc attatggcgg aaagtttctc 240  
aaagccaagg accag 255

<210> 27249  
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<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700903468H1  
  
<400> 27249

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agttagacgg tggaggaaaa ccagtgggtg gcagtgtggg gagagtgtta tactcttctc 180  
cagtgcacct gtgggaaagc tctacagtgg tcgcaagctt tgagaccgga cttcaccttt 240  
tccatctcat cag 253

<210> 27250  
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<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700903469H1

<400> 27250

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 catcactgcc gtccccctcaa ctgcgctctt ggaactcgct cccagcgaag cccccaccgc 180  
 ggagcctata gcctccggca tcagcctctt cgacaatctt cttgccaagg aatcaagccc 240  
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<210> 27251

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 700903471H1

<400> 27251

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 ctgcggccag gcgtgcaagg ttttttcata acttgcgatg gcggcagaga acaccaagcc 180  
 tctcgtgaag ctctcaatat tctcgattcc ttttatgaag agctagttga tggggaacat 240  
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<210> 27252

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 700903472H1

<400> 27252

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 ggtggagagc tccgacacca ttgacaatgt gaaggcgaag atccaggaca aggaaggaat 180  
 cccaccggac cagcagaggc ttatttttgc tggcaaacag ctagaggatg gaaggaccct 240  
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<223> Clone ID: 700903474H1

<400> 27253

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 cagaataaga ggaagattgc aagatgatga gaggagaaac tccaaggata gattgatggg 180  
 gagagaacta ccgggtgata ggagtgattt tgctgggcca aaaagtcttt ctgaacttaa 240  
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<210> 27254  
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 <212> DNA  
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<223> Clone ID: 700903475H1

<400> 27254

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 agattctgat tctgagtctc tgctgctata tatggcgcca cgcgtatttc ttgtgttggg 120  
 gatgttgctg atggtgtgcc ttgttaaggt ttcgtctgat ccaaagagag aagaagaaat 180  
 actggaagaa gaactacatt ttcccataa cgagccactt attgtgagag acgggaacag 240  
 aaggctaatt 249

<210> 27255  
 <211> 257  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700903427H1

<400> 27255

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 ctcacctctt cctccttcaa tctctttcgg aatttcctaa aatccttagt gggaggaaga 120  
 gatggttctg actcagaagc ttacgaagc cttcaaaggc accgtcgaga ggattactgg 180

ccccgaacc gtttccgcct tcaaagaaaa aggagttctc agtgtctctg agttcgtcac 240  
cgctggcgat aatctcg 257

<210> 27256  
<211> 249  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700903476H1

<400> 27256

ggcgcgtgct tcggtgtcct cgaggcgatg ttcacctttc gtgttctcga tttccaaggt 60  
ttgatttgag gtaaaataag aaccgagaat tggagttttc gaccttacct gctgggtgaat 120  
gtggagtttt gtaatgcagt ttatcaaate aatatccggt ttttttttagc tctccagtgg 180  
tgaatgtact tgctgataat tattttttat gatattctat tgtgatgaag ttgatgttga 240  
tgttgagtt 249

<210> 27257  
<211> 86  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700903479H1

<400> 27257

cgaaaggcca gtgaaagcca agattgggag attgagaatg gaaagggcgt ggattgttca 60  
agctcacaga ggcgtcagtg gaagcc 86

<210> 27258  
<211> 87  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700903362H1

<400> 27258

tgtgagtatg agaaaaggct tcctgcaccg agcacaccaa cttgagacct ctgattcttt 60  
ctttgcttag aattccacac aacatac 87

<210> 27259  
 <211> 182  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700903363H1

<400> 27259

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 ctctcttcta gttccagcat atcaactcat cgttccatat tggaccttga cctaaccaag 120  
 tttaccacac agaaacaggt gtcttcactg ttccaactat ggaagagtga gcatggacgt 180  
 gt 182

<210> 27260  
 <211> 180  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700903366H1

<400> 27260

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 atatcatatg ctatcaactc caaatgatga aaaatattgg gttgtttctt cttgtggtgg 120  
 tggctacttt tgtggtggca gccacagctg gtagctttta ccaagacttt gaaataacat 180

<210> 27261  
 <211> 180  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700903367H1

<400> 27261

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 ccaaatacacc ataggcacaa aaagacaata cttaattggc aataaaaagta atgagttgca 120  
 aatcaagca atataaatta attaaaaagt aatgattgtc gctctgtatt cttaattat 180

<210> 27262  
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 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700903368H1

<400> 27262

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 gaagcatctt gggtttgtga agattgcggc gattaaagcc tttgtgtgtg ttgcnaatct 120  
 ctacgacttc gcaaagcaaa actcgggacc tttgagatct gctgttgga ccggtgga 177

<210> 27263  
 <211> 177  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700903374H1

<400> 27263

cagcttttcc ctcggtgaaa tgaaaatggg ttcttctttg tggactttgt gtctaatttt 60  
 ggcttcacta gcctcttctg cattctgtgc cttccacgg aggccagtgg atgttccatt 120  
 cggcagaaac tacgttccca cttgggcttt tgatcacatc aaatacttca atggagg 177

<210> 27264  
 <211> 177  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700903375H1

<400> 27264

cttctacaag ttctcaaga aacatgcac aatcccattc aagctccaga aaccatgctc 60  
 aacttctgaa tccgattcca aggggagctc tgatgccaat tagagccaga gtagtgatgt 120  
 gaaggacgaa ttatgaggag ttaagtgata tatttttatt tatagaaact atgattc 177

<210> 27265  
 <211> 178  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700903379H1

<400> 27265

gcgggaaaca agataagtga tgttgagggg ctacacaggt tattaaagct aacagttctg 60  
 gacttgagct ttaacaagat ttcaacaaca aaagcattgg gccagctggg ggctaactac 120  
 aactcacttc aggccctgaa tctgcttgga aatccatgtc aaagcaacat cagtgatg 178

<210> 27266  
 <211> 180  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700903383H1  
 <400> 27266

tgcgttgat gagaattcaa aaatcgtgaa ggtggagttc ttttatgatc ctgccgaatt 60  
 gcttgagggt ctctgaaag gtcccaagtt tgatggcagt gctgaagatg ctggtgcaag 120  
 ctgtcctgta ctcaggaaca ccggctagag cagcacaagt tcaaaaagtt taacctttga 180

<210> 27267  
 <211> 178  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700903384H1  
 <400> 27267

gagggttgaa aggggttggt gaggaggatg tggagattgt actagacaaa agaggaattc 60  
 aaggcattct gaaatgtctt gtcgttggtta aatgacatag taataaccct gtaatattta 120  
 tccttcaaat ccaagagacg ttgaacaaaa tccacaggat ctctcaacct ttcaggat 178

<210> 27268  
 <211> 177  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700903387H1  
 <400> 27268

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 atccatggga tcaaggtctt tgacatcgtg attcgtgagg gtgggacaat cagagattct 120  
 gagacacatt atggtttcag gactaagagt gatggatgatg gcatttccat ctttggt 177

<210> 27269  
 <211> 178  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700903388H1

<400> 27269

acgaaaagag agataaagtt aaagaaatta aataccacca atttcgcccc cgaaagcctc 60  
 tctctcgttc gttgcttcaa acttcaaact tcaaactcct ccgcggcttc ccttctcgtt 120  
 cttcttcaca gaaatggagt ttccagtggc caaagcgttg aaaccgagtt taaggagt 178

<210> 27270  
 <211> 172  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700903391H1

<400> 27270

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 gctggatgct ggtgaccagc agccacctga tgatcaggat gagcatcatg gtggggattc 120  
 atcagattct ggttctcttt tgccccgaat gaatcgggac agtcaatcg ct 172

<210> 27271  
 <211> 177  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700903392H1

<400> 27271

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 aagacttggt cttttttctc ctacatttaa tttttacaac aggaaatgct cctgaaaatt 120  
 ttggcttcat tgatgcacaa gcattggtag ctggtggatg tgtagaaaaa taaatcc 177

<210> 27272  
 <211> 176  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700903394H1

<400> 27272

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tcattatcgg cacttggttg gagatgagta actcgtgcgc ggcgcttgcc gtatgatcaa 120  
agaacaagtt gcaagttgtc cgcaaacaac agaacaagaa tggaaccacc actgcc 176

<210> 27273

<211> 176

<212> DNA

<213> Glycine max

<223> Clone ID: 700903395H1

<400> 27273

agatcccatt gccataaatt actttgtcca caatcttgat ttcacgctca gcctcgcgtc 60  
acctaacaat tttgaagcat ttgggggttg aattgaattc ttctgagcaa accttgttct 120  
tatcgtcgcc acaatagaca tgggtttatca ttctagtttt gtgaatgaag atggag 176

<210> 27274

<211> 269

<212> DNA

<213> Glycine max

<223> Clone ID: 700903401H1

<400> 27274

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agagtggatt ccaaaagaag ggcgacctcc tgctttgggt tcagtggatt cctcgaggcg 120  
gagaatgtca gggcccatTT taaatacttt atcaagtgcc aatgtcttgg gtcagtcaag 180  
tggtatcatct aggcgggctg ctgtttctag tagccgtgat gcatttgttg gtgctgagtc 240  
agatattcgg actcgactg ctgaggcta 269

<210> 27275

<211> 83

<212> DNA

<213> Glycine max

<223> Clone ID: 700903402H1

<400> 27275

agagaaagag actcaacctc gttcgtgtcg ttctccatg aaataatggc ttccgtttct 60  
actttctggt tcgttctctt ctt 83

<210> 27276

<211> 265

<212> DNA

<213> Glycine max

<223> Clone ID: 700903403H1

<400> 27276

ctcatttgta caaatcagac aacttacgag aacttccgaa atcaatatga taagaagggg 60  
aaccattca ataggggatc atgcagaaat ctgaaagaaa cactttgttc cagtattccc 120  
cattcgaaga ataatttccg atcatttggt gtggaggatg aacagatgat gggtgggtct 180  
ctgactccaa atactgggga tggaattttg accccaaagg agaaaattga tcttgaaatg 240  
ggatctatgc gtgcagaaga tggtc 265

<210> 27277

<211> 263

<212> DNA

<213> Glycine max

<223> Clone ID: 700903404H1

<400> 27277

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gctgcgacga cgtcgttctt tgcaacttcc agttcttggt cttgatgaat atgacaccag 120  
tttgccctt tgtcaaagct gctcgccccg atgataacaa tgcttctaag aaatctggcg 180  
aaaactctat gaaacatcag gctgagtctg agagtaaggt gaagaaagag gttaatgact 240  
cagctagtac ctcaccaaag tgc 263

<210> 27278

<211> 78

<212> DNA

<213> Glycine max

<223> Clone ID: 700903405H1

<400> 27278

agatgggggc tccaatggcc tctcttactc tcaactattgc attaaccata atctctctca 60  
ccttgccatc tcaaacat 78

<210> 27279

<211> 259

<212> DNA

<213> Glycine max

<223> Clone ID: 700903411H1

<400> 27279

tcccacttgg tgttggtcag cttggctctc taaataaagt gattgaagat atggagtttg 60  
taactcatat cagaaatctt tttttgtcta ctcaaaatta ctcaatccta cgtcctagtc 120  
aaatacaggg tagtttgaag agctcatctg agctggatac attgaaggaa aatttgtctt 180  
cagatattat gcttacttgc ttttacgata cacagaaatc tatgaaaagt gaaacagcag 240  
atgttttaat gccccttca 259

<210> 27280

<211> 258

<212> DNA

<213> Glycine max

<223> Clone ID: 700903412H1

<400> 27280

caccaattgg ccagaataca gggtgccatc atacttaaga cctaattacc ccgcaattcc 60  
tgcaagttat taccgttaca ctccacctgc gaaaacaacc acaatcacat cttccaagcc 120  
ttgatggcca catgcatgca atttgggtata tacatattat tgttatgatt gttagcattt 180  
caaataaatc ggttcatcaa tatggccatg cacaagcatt cgatctctct ccaagtttaa 240  
ttattacttt gtggttta 258

<210> 27281

<211> 260

<212> DNA

<213> Glycine max

<223> Clone ID: 700903414H1

<400> 27281

ctgctagcac ctgttatcat gaagggcaat agcaagactt ctttgagcca ccaggagaac 60  
 cgaatactag gagagaccaa ggatcaaatt gaacagatac ttacacttgt ttttgagaat 120  
 tataaatcac ttgatgagtc ttctttctcg ggcacatag aggttttcag accagcaacg 180  
 ggtcaagcag caccagcctt ggaacctgct gttaaactct acaagcttct tcatgatatc 240  
 ttatctcctg aggtctaaat 260

<210> 27282

<211> 266

<212> DNA

<213> Glycine max

<223> Clone ID: 700903415H1

<400> 27282

ggagaaagca acaagagtga aaatacttga agtttgctt gtgtcaccac cacaggaaaa 60  
 aacgacaaca caaacatctt tgtctctcac attctttgag ttactatggc tgaggcttcc 120  
 cccagttgag cgtcttttct tctatgaatt ccccaaccaa accatttcat tcttcgacac 180  
 cattcttcca actctcaaac actctctttc cctcacactc caacactttc taccttttgc 240  
 tggcaccatc atttggtccc ttgact 266

<210> 27283

<211> 261

<212> DNA

<213> Glycine max

<223> Clone ID: 700903418H1

<400> 27283

agaggacttg acaacacttc attcagatat ctacatattg taatagtgtt cacagtataa 60  
 tctgtgacat taatttaaag cttgtgttag tataaatgaa tgggtggtca ttgttcatgg 120  
 ttctgcatat tcagagtcgg tggctcgaaa cagttttttt tgtgaatatt caacagagat 180  
 acataaggaa attacagaag ttattatctt ggaaatgaag catacagaaa atgaatacag 240  
 cattctacag gcattaatct t 261

<210> 27284

<211> 260  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700903419H1

<400> 27284

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 gctgatagaa gcagataata tagggtttat atacagattt tttattagta cgtccacac 120  
 actgcccattg tttcagggat aatcattctt tgggtgccaat tttttttttt tcataaaatc 180  
 ctctctgatt ctctctctct cttaattagt ttctcttagg aatctcagat cttcatagcc 240  
 attgttcctt ctagcttcat 260

<210> 27285  
 <211> 257  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700903420H1

<400> 27285

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 tgggtgttggg tcttgctctg gctgtggcca caagtgccag aaacgttccc aacccaagg 120  
 atgctggtct taaggaccag aagaacttca tcagctatgg tggagttggg gggtattccg 180  
 ggattgggaa caatggactg ccttttgagg gagctggtgc cggaataggg ggtgggtttg 240  
 gcggaggtgg tggactt 257

<210> 27286  
 <211> 182  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700903360H1

<400> 27286

gcggaatcag ctagaatttt ctaataatgg ccaaagacgt tgagcagggt acagagcaag 60  
 gtgaatactc cgcaaggat taccatgacc cacctccggc gccgttgatc gaccagatg 120  
 agctcactaa gtggtccttg tacagagccg ccatagctga gttcatagca acactccttt 180

tc

182

<210> 27287  
 <211> 122  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700903422H1  
 <400> 27287

caatctggct ccgtaacca tggcatcctt cgctgcccc aacaacattg gcagcggcgt 60  
 gctaccctct cgccagagaa aaccctctcg acccctccc ctcaaagtct cccttctccc 120  
 tt 122

<210> 27288  
 <211> 257  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700903426H1  
 <400> 27288

atcgaaactc agaagtagaa agaaacacaa atcacaatcg ctatggctag gtacgaccga 60  
 gcaatcaccg tggttctcccc tgacggccat ctcttcagg tcgagtacgc cctcgaagcc 120  
 gtccgcaagg gcaacgccgc cgtcggcgtc cgcggcaccg acaatgttgt cctcggcgtc 180  
 gagaagaaat ccaccgcaa actccaagac tccaggtcgg tgaggaagat agtgaatctg 240  
 gacgaccaca ttgcgct 257

<210> 27289  
 <211> 203  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <223> Clone ID: 700903286H1  
 <400> 27289

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 cacaacatat gatatacn cn cacnncanc accancacca acaccaaccg cttcccctct 120  
 cccgggttcg gatctacgac caccgccgca cgcgggccga gcttccacac tcagaatcca 180

gatccctact tccacacaac ata

203

<210> 27290  
 <211> 248  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700903287H1  
 <400> 27290

agcagataga aaaaagagct gagttttgag ttcaaaagat gactaacttc ccagtgatca 60  
 acttgagaaa gctcaatggg gaggagagaa acgacacccat ggagaaaata aaggatgctt 120  
 gtgaaaactg gggattcttt gagctgggtga atcatggcat accccatgac ttattggaca 180  
 ctgtggagag gttgaccaaa gagcactaca ggaaatgcat ggaagagagg ttcaaggaat 240  
 ttatggca 248

<210> 27291  
 <211> 220  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <223> Clone ID: 700903288H1  
 <400> 27291

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 cccgagatac agccgattgg gacggcggcg cagatccaag acgacggcaa ggactaccag 120  
 gagccggcgc cggcgccgct gggtgacctg acggagttta cgtcatgggc gttttacata 180  
 gcagggatag cagagtttgt ggccactttt ctgtttctct 220

<210> 27292  
 <211> 246  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700903290H1  
 <400> 27292

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taaccaatgg ccaactgaatt tttttcctta ttttccagtg ctgcctttac tcttaggcct 120  
 tggccaaaag aatgagagag atcatcatca attgacatgg aatcatgtgt gcctccagga 180  
 tttagatttc atccccacaga agatgcgatt atcgggtatt acctcaagag gaagataaac 240  
 tcgcta 246

<210> 27293  
 <211> 248  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700903291H1  
 <400> 27293

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 cctcctcaac tctcctcccg gagaaatcca atacgttgcc aaagatgtga aatcgattct 120  
 caacaacgac gatttgtaca aggaagccgc ttccgaggct tttccctatt acaacaaatc 180  
 gcacttgatt tccattccaa tgcccaaccg aagcggagac gtactgggta cttcggttcgg 240  
 tgagcttg 248

<210> 27294  
 <211> 244  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700903293H1  
 <400> 27294

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 agttctttctc ataatectct gcgtgttggt tgtgtataat cccgtgatat ttgcattagg 120  
 tagaaaagag gctcccaaatt ttgcaggttc atggcccata cttgggtcacc tacgactatt 180  
 gagtggtgta gagacacctg ataggggtgtg tggtgctttg gcttataagt atggagccat 240  
 attc 244

<210> 27295  
 <211> 247  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700903294H1

<400> 27295

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 tcattctctc cttccctctt gagcttttct ttttagcacg gaacatgtga gtgccacaaa 120  
 gggtttgaga ctttttgagg ctttctctca ctctaataag tcttaacctc attcaectct 180  
 tgggtggtgt ggtctataat gtaatttata atttgtgcaa attttttctc agatctatcc 240  
 aacttct 247

<210> 27296

<211> 246

<212> DNA

<213> Glycine max

<223> Clone ID: 700903295H1

<400> 27296

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 gacgacggca aggactacca ggagccggcg ccggcgccgc tggttgacct gacggagttt 180  
 acgtcatggt cgttttacag agcagggata gcagagtttg tggccacttt tctgtttctc 240  
 tacatc 246

<210> 27297

<211> 139

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700903296H1

<400> 27297

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 aactaggacg aaactgagg 139

<210> 27298

<211> 185

<212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700903310H1  
  
 <400> 27298  
  
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 gatgagtact gctatctcag ccttcccatc tctcctttct tcctcaaaat ccagatttgc 120  
 caccgcagtt cctctttcta gctttgggtg caccaatgcc tcttcttctc gcttttctat 180  
 gagtg 185

<210> 27299  
 <211> 186  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700903311H1  
  
 <400> 27299  
  
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 ttttgacacg aaatggatat atccatacca tatatcttgg atttattttt atgaaataat 120  
 taaatatggc aaaacctata tctaaaaagg gtctgcgtaa aaatgtacgt attgggtcgc 180  
 gtaaca 186

<210> 27300  
 <211> 186  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700903313H1  
  
 <400> 27300  
  
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 gaccgcgatt cctcattcat tcattcatat gcttcttcaa ctttctcctc tcttctccct 120  
 ctaactctgg cgcattatat ctagctagca ctcttggtcc aaggaaatag agcgaatgtt 180  
 ccactg 186

<210> 27301  
 <211> 185

<212> DNA  
 <213> Glycine max  
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 ctgcaacttc cgtcacattc acatggcagc aacatcaggg aagattgtcc aatttttttt 120  
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 tcggc 185

<210> 27302  
 <211> 188  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700903315H1  
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 tacaaatccc ctccaccacc aacgtcgcat cctccacctt accactatgt gagccctcca 120  
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 gctcccgc 188

<210> 27303  
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 <213> Glycine max  
 <223> Clone ID: 700903318H1  
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 actctccatc ccaattatcg ccaactcctc tttcttcaaa tttcaatctc agaggatggg 120  
 tgggtgaggaa ttgtgtttga tggagaactc agggaaaggg aagaggctgt ggaagaaggt 180  
 gaagtaccaa ctg 193

<210> 27304  
 <211> 187

<212> DNA  
<213> Glycine max

<223> Clone ID: 700903319H1

<400> 27304

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cactcttatac tctttctctc taaaaatgtg actttgttgt acgtgtgata gtgagcctaa 120  
tacagtacgg atacttgatc aaaggaacaa atattgaagt gtccaatgcg taccaacaat 180  
acccttt 187

<210> 27305  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700903320H1

<400> 27305

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cagagctcag cgataagcag aaagtggaaa tcgcgaaatg gttcctccac aattctcctc 120  
caagagaaat ccaatacgtt gccaaagatg tgaaatccat tctcaacaac gacgatttgt 180  
acaagg 186

<210> 27306  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700903322H1

<400> 27306

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aggaaaagg 129

<210> 27307  
<211> 186  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700903323H1

<400> 27307

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 agttaggcat tgagtaggtt ggagcttaat ggccattgtg aagtagtggt tttccattgg 180  
 tcgttc 186

<210> 27308

<211> 186

<212> DNA

<213> Glycine max

<223> Clone ID: 700903326H1

<400> 27308

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 tcgttccttc ctctgctccg ttccgcggtg gagccaccgc ctccattccg cctctccgct 120  
 cactccccgt cctcggatca gcgccgtcgc caccatggcc aattagagaa cacacacaaa 180  
 actcag 186

<210> 27309

<211> 184

<212> DNA

<213> Glycine max

<223> Clone ID: 700903328H1

<400> 27309

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 ccaatagatc cagctgctgg tttgggaacg taagtagagg cactaatgcg caaacatgac 180  
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<210> 27310

<211> 186

<212> DNA

<213> Glycine max

<223> Clone ID: 700903329H1

<400> 27310

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cgtctacaaa gacggccgcg tcgagcgct cctcggcacc gaaaccaccc ctcccggcac 180  
cgaccc 186

<210> 27311

<211> 184

<212> DNA

<213> Glycine max

<223> Clone ID: 700903335H1

<400> 27311

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acaccctgtc taaagccctc ctctacactg ttccctttca ccattccatt ttctaacttt 120  
tctgactctg ctcatggctt ttcttttctt agcatcacct attctcttgg tatcatagtt 180  
atct 184

<210> 27312

<211> 181

<212> DNA

<213> Glycine max

<223> Clone ID: 700903338H1

<400> 27312

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caactacagc aacagcagca gcttccgcag ttacagcaac tgcagccgca gcagcaacag 180  
a 181

<210> 27313

<211> 182

<212> DNA

<213> Glycine max

<223> Clone ID: 700903339H1

<400> 27313

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 atatataact tggcttctac cttctctcga agcctagcac ttgtaagctt ttacattgtc 120  
 gtttgtgctg ccggttaactt gaaccaagac tttcagctta cgtggggaga tggtcgtgct 180  
 aa 182

<210> 27314

<211> 182

<212> DNA

<213> Glycine max

<223> Clone ID: 700903340H1

<400> 27314

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 aattcagatt caaagggatg acactacatt tgacgcata gtggttgga aagaggatgc 120  
 tcctggaatt gttgtgattc aggagtggcg ggggtgtggat tacgaaatta agaaccatgc 180  
 cg 182

<210> 27315

<211> 87

<212> DNA

<213> Glycine max

<223> Clone ID: 700903344H1

<400> 27315

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 actgcatttg ggactcttca ctctgct 87

<210> 27316

<211> 248

<212> DNA

<213> Glycine max

<223> Clone ID: 700903285H1

<400> 27316

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 ctagatttct ggccaagtcc atttgggatg agggtcagga ttgcacttgc tgaaaagggg 120  
 atcaaatatg agtacaaaga agaggacttg aggaacaaga gtcctcttct cctccaaatg 180  
 aaccgggttc acaagaagat tccggttctc atccacaatg gcaaaccat ttgtgaatcc 240  
 ctcatcgc 248

<210> 27317  
 <211> 124  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700903347H1

<400> 27317

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 gtcacatctt ttgatgatgc ccacccctcct ggtcattctc ttggcggttg cttctccttc 120  
 attc 124

<210> 27318  
 <211> 182  
 <212> DNA  
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<223> Clone ID: 700903350H1

<400> 27318

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 tcactatctt tctactcctt gctttcacct catacctacc ttcagccacc gctgctagt 120  
 tgtacgatac ggatggtaat attcttcaat agggctgcac atattttgtg ttggcagcta 180  
 ca 182

<210> 27319  
 <211> 101  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700903352H1

<400> 27319

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 aacgatatgt tcatgccaat caagatccac atattctttc c 101

<210> 27320  
 <211> 181  
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 <213> Glycine max

<223> Clone ID: 700903353H1

<400> 27320

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 gtgaatactc cgcaaggat taccatgacc cacctccggc gccgttgatc gaccagatg 120  
 agctcactaa gtggtccttg tacagagccg ccatagctga gttcatagca acactccttt 180  
 t 181

<210> 27321  
 <211> 174  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700903359H1

<400> 27321

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 ttcttcagat tcttgaaatg gcgtctgttt cagcttttagc ccagtacaag ctgctcttct 120  
 tgggtgacca atccgtgggc aaaaccagca tcatcactcg cttcatgtac gata 174

<210> 27322  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700903196H1

<400> 27322

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 gcaaatgctt tcgcagttgt tcgtctttca taaatccaag aatttcacct ctgactatga 120  
 aatacgaatg cccccgactg ttctgttaa tcattactcc gatcccgata tccaacacaa 180

taggatcaga atcgtgtggt gatatcccat gctaattgtat acagagcgta ggcttgcttt 240  
gagcactcta atttcttcaa agt 263

<210> 27323  
<211> 187  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700903201H1

<400> 27323

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agtgcaatcc aagaacagat agatttgaac catttcataa tctgaagcct tgtatttttt 120  
tgacgagtgg agttcaaatt agaaggcgta ggggggcgcg ggaaaggacc gaaggggccc 180  
accagat 187

<210> 27324  
<211> 264  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700903203H1

<400> 27324

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gggatgcgca gtgcgacccc tctatcgtct cttctttttt cttcttcttc ttctttctca 120  
gagtttagcc agttgaattg aactagtaac tttcttttaa aattaaaatt agaatcatta 180  
tcgtttatca cactccaaca acgcctttcg ctcttaccac cctcgcggt cattttcttg 240  
ggaaaactcg tttccaccaa gaaa 264

<210> 27325  
<211> 68  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700903205H1

<400> 27325

aagaactgaa ggtaccgtac gagaacgaca ggaatcaagg atgccaaatc gcggcagtc 60

cacacagc

68

<210> 27326  
<211> 248  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700903207H1  
<400> 27326

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ccaattgtgg ctccgactac gcatggttgc cctccgacct gccatgctc caccaaggca 120  
acattgatgc cgcgaagctt gctctcaaca aaaacgcact tgctcttcct cgttactctg 180  
actcttccaa agtcgcttat gggcttcaag gtagtggatt ggctggâata gtgttgccgg 240  
aagcagaa 248

<210> 27327  
<211> 258  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700903208H1  
<400> 27327

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ttggaagagt atgccaagag agggagagtc agaattgatt ccactccaac cttgaggatc 120  
ctcaacaagg catgtgtcaa caccgattca agtactagtg gatggaagct aagccctggt 180  
acccatgtgg aggagaccaa acaaatgcta agaatgatcc caatcttggc tgctacattg 240  
atccctagtg caatggtt 258

<210> 27328  
<211> 262  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700903210H1  
<400> 27328

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gagacttcaa gaggctgcaa caagacccgc ctgcagggat cagtgggtgcc ccccaggata 120  
acaacataat gctgtggaat gctgtcatat ttggctcctga tgatactcca tgggatggag 180  
gcacgttcaa gttgacactc caatttactg aggactatcc aaataaacca cgcactgtac 240  
gatttgtgtc tcgcatgttt ca 262

<210> 27329  
<211> 261  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700903212H1

<400> 27329

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aagcttaaag gttgcatgtg tggttttgat gtgcatggct gtgatgagtg caccaatgat 120  
ggtgcaagcc gtgcatgca atgatgtttc tctgaacctc gcaccgtgcc tatcttacct 180  
gatgcagggt ggagatgttc cagaatcgtg ctgtagcgga gtgaggaaca ttctgggttc 240  
tgccagcacc acctttgaca a 261

<210> 27330  
<211> 217  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700903214H1

<400> 27330

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cgacaatcgc atcaagtcct gcaagcgtaa ggcgctgacc ttatagtgc tttcaagaac 120  
actagggaga ctgcctttgc catcaggaat tgcccctggt taaagctaaa gagacctgga 180  
gattttggcc acaaacagtc atccttccga cgcttct 217

<210> 27331  
<211> 265  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700903217H1

<400> 27331

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 gagtcgantic canangcaaa ccgtntttta catncgacgt cgggaaggca ccgcgatgct 120  
 aatgtctctg gcgacgatgc ctttgccaga ctctacgcct ccgtcgacgc cgacatcgag 180  
 gtcctacgtc agaaatcagg aagtgttcc aaggagaaag gtaaggcatc agctgtatcg 240  
 atcaatgcat agattcgtcg tacta 265

<210> 27332

<211> 96

<212> DNA

<213> Glycine max

<223> Clone ID: 700903218H1

<400> 27332

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<210> 27333

<211> 261

<212> DNA

<213> Glycine max

<223> Clone ID: 700903221H1

<400> 27333

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 ctgaatttag tacaagccaa tctgcaaagt gagcatgata tataacttgt tgtggatttc 120  
 tgcctcatca ttgtgcatca tgtgagatta aaatggaagg gttgtgtgga gattgcttca 180  
 atatgatttt gcacatgttg tgctgcagga acttgagca tagcgtgtgc tcaaagtgca 240  
 tagggatgga tttggatagc a 261

<210> 27334

<211> 260

<212> DNA

<213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700903233H1

<400> 27334

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 tagttttggt agcatggcca tgccatggcg caggctacca aaggttccct ctccgaatga 120  
 aaactggcta tggtagcgt tcttcggagg taaaatgcgc aagttttagg cttgctgtgg 180  
 aagcacacaa catacgagag aananaacca ttcctnaaca gtgcgttgaa ccaacaaagg 240  
 actacattaa tggcgaacaa 260

<210> 27335  
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 <213> Glycine max

<223> Clone ID: 700903241H1

<400> 27335

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 tgcaccgatg atggcgcaag ccatgacatg caatgatgtg acggtgaaca tggcacagtg 180  
 cctatcctac ctgatgcagg gaggaacacc ttcaacactt tgctgcagcg gagtcaagaa 240  
 cattcttggc tctgc 255

<210> 27336  
 <211> 75  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700903245H1

<400> 27336

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 tccacacaac atacg 75

<210> 27337  
 <211> 253  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700903258H1

<400> 27337

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 aagtcacag gatgaaaggc tcctaggaag cagcttgcaa ccaaggctgc acgtaagtct 120  
 gcaccaacta ctgggtggtgt gaagaagccc caccgttaac gtcttggtac cgttgctctt 180  
 cgtgagatta ggaaatacca gaagagtacc gagcttttga tccggaagct ccccttccag 240  
 aggctggttc gtg 253

<210> 27338

<211> 250

<212> DNA

<213> Glycine max

<223> Clone ID: 700903262H1

<400> 27338

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 tgttgtggct gaaaagaaag ataataatgg tgggtggggg ttttgggttg taagtgacca 180  
 actttggggg ccacgtaaaa attgcatgac agggattgga tgtcggttct gttgggtgtg 240  
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<210> 27339

<211> 257

<212> DNA

<213> Glycine max

<223> Clone ID: 700903265H1

<400> 27339

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 gatgtagcca ttcacaaggc catggctgct ctaatgactg cagaagcaat gaaagcttct 180  
 gaggactccc ttgttgaaat gaaagcttat gaggactaat ctggctattc aaatgacttg 240  
 gcttacttgg tcaagag 257

<210> 27340  
 <211> 254  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700903266H1

<400> 27340

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 agcaaagatc accagtgttt tatttggttaa taaatgtgat gctaggagac taacattgag 120  
 gatttgatgg ttaaatttca catatattca ataaccagta gatgttttca ttttacaatc 180  
 aaaatcattg taacgagttt cactgaattt tccactttgc ccggaatttt tctagtcaat 240  
 tatcattgat gcat 254

<210> 27341  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700903267H1

<400> 27341

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 aggcgcggga actgctgcct gcgcctaggc aaggaggcga gtctgggtcaa gtttgatgcc 120  
 tctggggatc agttcttcat ggcgggtgaag gagaaggctc ccgtccacca gaccgaggat 180  
 gcgaggattc tgttcgaatt ggaatgccc aagcctgttc tctgtgctac acctgctaag 240  
 aatggacttc t 251

<210> 27342  
 <211> 254  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700903268H1

<400> 27342

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 gcaagtgcac cctgacatcg ggatctccag caaaaccatg gggatcatga acagcttcat 120

caacgacatc ttcgagaagc tcgctcagga atcttccagg ctgcgcgcgt acaacaagaa 180  
gcctaccatc acctctcgcg agatccagac cgccgttcgt cttgttctcc cgggcgagct 240  
cgccaagcac gctg 254

<210> 27343  
<211> 264  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700903269H1

<400> 27343

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tagcacatag tagcaagtct gtgccttccc cgtgacctt gaactcagtt ttccgttctg 120  
acagtgttga ggtatagatc atgctgtatt gattcacagg ccaatgcgtg taacatacaa 180  
cgtgtactag ttttgctttc cataaattag gagcatgcaa ggaaatcaag tcaactgcat 240  
gaattaaaat atcttgagtt tcat 264

<210> 27344  
<211> 250  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700903277H1

<400> 27344

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agagggcata acatattgga ggaggcaaat ctgtagccac agtcctagcc attggcacag 120  
caaatccacc caatttcac ctagaggagg attatcctga cttctacttt cgggtcacca 180  
atagcgacca tttgcaccgc ttgaagcaaa agttcaagcg catttgcgag aattcaaaga 240  
tagaaaagcg 250

<210> 27345  
<211> 238  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700903280H1

<400> 27345

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 tctccattta atgcacctca cagccataga tcttcccagg ggaagttgga gaatccattt 180  
 gtgagctttc agagtagtta cctgcatgg gaaccaaag ctcaaggag gcagtttc 238

<210> 27346

<211> 249

<212> DNA

<213> Glycine max

<223> Clone ID: 700903282H1

<400> 27346

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 ttgtgggttat tggccatggt gactctggga agtccactac cactggccac atgatctaca 120  
 agcttggagg cattgacaag cgtgttattg agagatttga gaaggaagct gctgagatga 180  
 acaagaggtc tttcaagtat gcctgggtgc ttgataagct taaggctgag cgtgaaagag 240  
 gaatcacia 249

<210> 27347

<211> 250

<212> DNA

<213> Glycine max

<223> Clone ID: 700903283H1

<400> 27347

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 gttttttctt ttgcattggc tctagctaaa atttaccct caacatgtca agtgggtgcag 120  
 ggaaaagtct cctgcgttga ctgcactcac aactatgact tatctgatat taagggttctg 180  
 gtgaggtgtg atggtgtgaa aaaactggct ttggctacta cagaaaatga tggctccttc 240  
 aaggttgatc 250

<210> 27348

<211> 257

<212> DNA  
 <213> Glycine max

<223> Clone ID: 700903195H1

<400> 27348

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 ttgtgcaatg gacagactgc aatcttgctg gagcccttgg actgttaaga atcctaatat 120  
 acaaagtgtg tgtggatggg acaactacca tgtctaccct tgaaagaaaa gcaagtatta 180  
 gggaattcta tgcaatcata tatctctctt tagtgcaact gcaagaaagt gtggcagata 240  
 cagaggataa aaaacag 257

<210> 27349  
 <211> 260  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700903127H1

<400> 27349

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 actcgtatct gtttgcaata aaacgacctc tctttcacta cccaagacc ttcattttctc 120  
 tttccaccac tttctctctg tctctctgtt ttttttttgc cctatctcat agggtttctc 180  
 ccttctctcc ctctcttcca tgcatttttg ctctgacgag ttctttctctc tcgttgccct 240  
 cttcttcgct gtctttgaag 260

<210> 27350  
 <211> 265  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700903128H1

<400> 27350

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 gaggcaggga tctaccgtct agcggaggac agcctccggc agatattctg caggctgcc 120  
 ctgagggaaa taatgatatg ccgctcagtg tcaaaattct tctgcagct gctctcaaca 180  
 ccttcgttcc tccaggtcct ctccagctcc catccacccc tccagctcct ggccctccgc 240

aaccgccacc acacccttc tcaca

265

<210> 27351

<211> 268

<212> DNA

<213> Glycine max

<223> Clone ID: 700903131H1

<400> 27351

aaccctttca aagaaggaac tcgatacatc gtctgtgggg tatcagcctc cactaccagc 60

tgaccaggtg aaggctgcta cagattttga ttatgaagga gagggttcac ctaatggctg 120

tgttcgtggg cgtgggtggc gaggcagggg aaggggcaga ggtaatggct ttatttcagc 180

tgattatgag gatggaggtt gggatcgcac taggggacat gctaggggca ggggtagagg 240

aagaggacgt ggctttcgtg gtcgtgga 268

<210> 27352

<211> 182

<212> DNA

<213> Glycine max

<223> Clone ID: 700903134H1

<400> 27352

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cctacaggct gcaaggcagt agcagagtcc ataagaactg tccatcataa atttcactac 120

actgttcagg atggcctaga tgccatccag atgtgatcta tcacttgaac catatgctgt 180

ga 182

<210> 27353

<211> 269

<212> DNA

<213> Glycine max

<223> Clone ID: 700903135H1

<400> 27353

gaaatgttga agctcaagtt cctggtaact atcttcttgc attcaagaaa agagtttagct 60

gaatgttttg gtggggctga attctgtagg tttaaaatct cggtttattt tcaaggctgt 120

agattccaat ttttattatc tttgctggcg ccttaagata agttaaccct ttgaagatgt 180  
 ttcgttggtt acttggttgg caaagttcag aattgtacat ttgtagggtt ggatgtggag 240  
 gggactcctt actttttgtt ttattatta 269

<210> 27354  
 <211> 216  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700903142H1  
 <400> 27354

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 aatgtttcag tgggactaga gctatgggca ttctaacttc gctcgggctg tggcagaagg 120  
 cggccaagat cttattcttg ggctcaata acgctggcac aactacactg cttcacatga 180  
 ccaaagatga gagattagtc cagcatcagc ctaccc 216

<210> 27355  
 <211> 266  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700903149H1  
 <400> 27355

tgtcaaatct gtatgagtac gcaaagcaga attctgggcc tttgagatcc gtcgtaggaa 60  
 cggttgagaa cactgtaacc accattctcg gtcctgtctg caacaaattc aaggacgtcc 120  
 catatgatgt ccttggtttt gttgacaaaa aggtggatga agcttcccac aagttcgatg 180  
 agcatgctcc tccttttgct aaacacattg cggatcaagc caagggtgtg attcagaaaag 240  
 tgacttgatga ggcagggaaa gtagca 266

<210> 27356  
 <211> 62  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700903150H1  
 <400> 27356

ggagatcgtg tgtagatcaa cagctttggt ttgatgggta aggaacctat tgattctgct 60

ga 62

<210> 27357

<211> 260

<212> DNA

<213> Glycine max

<223> Clone ID: 700903157H1

<400> 27357

gtacttttaa aattataagt aaatgtatca caggtaaagg tttttcaggg acaaaacggt 60

actttgggta tttagggaaa actttgagat cagctggctc caatatagct tttgcagttg 120

tagctgaaat atcggattct gttctgaaag gtgcagaggc gaatggtttc aatggattgg 180

tgagtggctt tcaccaagga attctaaaat tggctatgga gccatcagtt ctgggaactg 240

cattgatgga aggtgggtcca 260

<210> 27358

<211> 58

<212> DNA

<213> Glycine max

<223> Clone ID: 700903158H1

<400> 27358

ttctctctca tcggtcgagg ttctctcgca cataatcgct ggacttcgc tatttcca 58

<210> 27359

<211> 262

<212> DNA

<213> Glycine max

<223> Clone ID: 700903162H1

<400> 27359

cttactgata aattgggatt aggggtccaaa ttctacataa taggtttctt tttgggtggc 60

caggttgttt ggaggtgcct taagtatatc cctcacaggc tggcaggtgc agtgctcata 120

gccccagttc tcaattactg gtgggctggg ttctctgcaa acttaactaa tgaagttttc 180

taccaacaaa aactacaaga ccagtggaca gttcgtgtgg ctcaactacat accatggcta 240

acttactggt ggaacactca aa

262

<210> 27360  
 <211> 266  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700903165H1  
 <400> 27360

aacacaaaca catacattgt agtatcactt ttgtctcgga atttggttctt ttgagttatg 60  
 gcaagcttaa aggttgcattg tgtgggtttg atgtgcatgg ctgtgatgag tgcaccaatg 120  
 atgggtgcaag ccgtgtcatg caatgatgtt tctgtgaacc tagcacctgtg cctatcttac 180  
 ctgatgcagg gtggagatgt tccagaatcg tgctgtaacg gaggtaggaa cattctgggt 240  
 tctgccagca ccacctttga caaaca 266

<210> 27361  
 <211> 262  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700903169H1  
 <400> 27361

aaacaaaaac ccttgacaaa tatggcccta aacttggagt gtgtcgtgtg gtgtgagaca 60  
 gtgtaactcg gaagcgcaca gcaatggcaa gagcgactct ccttcacttg ctgcgggtcac 120  
 agagcctccg ccacgtgtcc aaaaacgctc cttcagcata tcgttggtttt gggctcctcta 180  
 cctgtcaacg acccattagc cccaatccat cattcaaaac ttcctcccat cttgctatatt 240  
 tccaaagaag atgggcatca ca 262

<210> 27362  
 <211> 261  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700903170H1  
 <400> 27362

ctattgctaa cttaactctc aagcttagta ctgaatgaag ttattctttt ctctaagag 60

tatcatactt tataacctct ttatctcttc tctttagtgg tccatagcag ccgacaaaca 120  
 atccaattca cagtttcagt ccctcagtca tgaagaaacc atagtttccc caaatggagt 180  
 ctttgaactt gggtttttcc ctctgggaaa ttccaacaaa agctacctcg caattcggta 240  
 caagaactat tcggatgaaa c 261

<210> 27363  
 <211> 258  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700903172H1  
 <400> 27363

attcgaggtc agaagttcga tgagaaggaa aacatttgtt tcatcacagt ggtgtgttgt 60  
 agccccgaga agataagaga caagctttgc tacaagggtg gaggtcttat caagagcatt 120  
 gagatactgg aactgcccaa gctcaaggcc gagaagccta aagcagaccc tcccaaagct 180  
 gagaagtcca aggccgcgcc cgagaaaaag aaggacgggtg gcggcgagaa gtcccaggcc 240  
 gagccccgaga aaaagaag 258

<210> 27364  
 <211> 256  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700903173H1  
 <400> 27364

aacaggttgt agaattctaa agctaacctc tcgcattttg attcatgggtg gctgtgagtg 60  
 gtttggcata atggcgaaat ggattttctt ccccatcacc ttctttgttg tatttgttgc 120  
 aagcaccttc ctcttggaat ttaacctttc cagaataaca agaacttcaa ttttcaagac 180  
 aattataata ttcaataagc aacaacctca attcccactt aactgcacgg atggaaactt 240  
 agcaaaaact tggttca 256

<210> 27365  
 <211> 256  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700903175H1

<400> 27365

aaaagtactg ccactgactt gggatcccat tgttgtagaca aagactcatc aatggtagca 60  
cagatgctgg tttcctctaa ttcattgctcg aaattagaag gtggaatgtt tgacaactct 120  
atgggtatcag aatttgtgct gtatgatctt acacactcaa gcaaaagtgt ttctcctgaa 180  
aaaaagcgtt acagcgacca acactgttct aaaactctaa aagcttctcg tgtaggaatg 240  
aagggcgaaa ctttca 256

<210> 27366

<211> 79

<212> DNA

<213> Glycine max

<223> Clone ID: 700903177H1

<400> 27366

ccgaccaaac acagtgttga ttcccaaatac cccattagtt ttcaaaataa agactttgcg 60  
tggcacccac aagaaggcc 79

<210> 27367

<211> 265

<212> DNA

<213> Glycine max

<223> Clone ID: 700903181H1

<400> 27367

ataaaattct gagataagtg attctctgcc ttttcaattt tcatttttaa aaaaagaaag 60  
aaaaaaaaa gaaagaaaga aaattgtgca tgctggttct tgaatgatct tcgtcctgga 120  
ttcagaattt tcggtgacag atctctgctc ggacttccat aaatgcatat ctgtggatgt 180  
gttccacctt ggctctgtca gattctcgct tgcattggggg aaaattgatg gggctttaca 240  
gtttgctact ctttcttga attct 265

<210> 27368

<211> 262

<212> DNA

<213> Glycine max



<212> DNA  
 <213> Glycine max

<223> Clone ID: 700903187H1

<400> 27371

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 atttagcttt ttttattgaa ccgtgtcaat ggccgctact atgaaggctt tagcttttgt 120  
 tgctttgctt gttaccatta atgcaatagt gtgtgaaagt agagtggcga gaaaggacct 180  
 tggattggac cttggtgggg tgggaattgg ggtgggtgct ggggttggac taggccttgc 240  
 tgggtgggggt ggt 253

<210> 27372  
 <211> 254  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700903190H1

<400> 27372

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 aggcaagtag agaaagagaa aacaaaaaat ggtagtttcc aggggtggttg tttttcttgg 120  
 tctcattctt gcaacccttg tgtcattggc ttgctcccaa tccgtgctc cggtgctgc 180  
 tcccacaagt gatggcacct caattgacca aactgtagcg tatatcctaa tgttggttgc 240  
 attggttctg actt 254

<210> 27373  
 <211> 256  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700903193H1

<400> 27373

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 cttctaagt caatgacttc tgtgtggcag acctgaaggg tccagatagc cctactggct 120  
 atcactgcaa gccacctaaa acagtaacat cacatgactt tgtgttccat ttaggccttg 180  
 gaaacacttc aaacgtgttc aagtccgcaa taacctctgc atttgtcaaa gattttcctg 240

ctgtcaacgg tcttag

256

<210> 27374  
 <211> 257  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700903194H1  
 <400> 27374

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 taccttcttt cttgtatccg tcttaatttc tgcgctatg gcttcggatc acaccatgag 120  
 ctttcattct tcttccttac acgaagagga cttcgatgat gatgatgatg atcacctaca 180  
 cccccacccc cacaacttgt cgaggctctc cgtctgcact agcagcacct ttggcgacaa 240  
 cgaccatgtt gacaatc 257

<210> 27375  
 <211> 262  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700903125H1  
 <400> 27375

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 tgaccaggtg aaggctgcta cagattttga ttatgaagga gaggggtcac ctaatggctg 120  
 tgttcgtggt cgtggtggcc gaggcagggg aaggggcaga ggtaatggct ttatttcagc 180  
 tgcttatgag gatggaggtt gggatcgcaa taggggaaat gctacgggca ggggtagagg 240  
 aagaggacgt ggctttcgtg gt 262

<210> 27376  
 <211> 233  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <223> Clone ID: 700903012H1  
 <400> 27376

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 ggacgaaaag ccttcggtga ggggtattct ctcggacttg acttgtgaca ggcacgggaa 120  
 gattgacaag ttcacaaacg gagagtcct ngtggcgctt catgagatgg aatgaggaag 180  
 aacttactat ctgggaatgt ttttgggtgg ggcttacgag gacgctcgg tgg 233

<210> 27377  
 <211> 209  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700903022H1

<400> 27377

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 gccagaatat gcatggacca tataattaac ttgcatactg gggttgtggt tatccatttc 120  
 atttgctgaa tgtataatga tcaattgagt gtgaaactga acgcccgttg attatactta 180  
 tgatattcta tttgattcac aattaagaa 209

<210> 27378  
 <211> 123  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700903024H1

<400> 27378

atagaatctc cttatggttg gtagctatgg tgtcagtgg catttgggaa caatgtcaaa 60  
 gacatgggac ccattgccat tgtcactata atgatatagt gattttggtg tccacacaac 120  
 ata 123

<210> 27379  
 <211> 192  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700903027H1

<400> 27379

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cagccttggc cgccctcctc ctcttctctc tccgcggtct ccgcccgcgt aaatacaatc 120  
 tccccccagg ccccaagccc tggcccatca taggcaacct aaacttaatc ggctcccttc 180  
 cacacaacat ac 192

<210> 27380  
 <211> 86  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700903032H1  
 <400> 27380

ctccaattac ctccagaaaa ttgactccct ggctttgact tgcctattct gcgacaaatg 60  
 gcaagagtca ctaattgggt gtgtgt 86

<210> 27381  
 <211> 245  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700903037H1  
 <400> 27381

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 ctgagaccct gctagaaaat ccagctctct ttgctggatt tcgaactgct gagtgggtgt 120  
 ctgaaagtga aggtaccaat gtggatggaa agctggacca ggcagatctg ctaatagagt 180  
 atttgaagct ttgtgaaaaa taccctgttc cgtggagaat gattcgttcc atgttcataa 240  
 attgt 245

<210> 27382  
 <211> 239  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700903039H1  
 <400> 27382

gcatattcca attcccaatt cccaattcta aacccttatt cttttcaaag aaccaaattg 60  
 agtgatcgtg atggcaccaa aggcagataa gaagccagcg gagtagaagc ccgaggagga 120

gaagaagtcg acggtgggag acaaggctcc ggcggagaag aagccaaagg ccggaaagaa 180  
gcttccgaag gagggaggcg ccggcggaga agggagaag aagaaagata caagaatag 239

<210> 27383  
<211> 228  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700903040H1

<400> 27383

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cggaggaaac aagggtcaca agataaatgg gaacttggtg attatgcgaa agaatgtggt 120  
tgatatcaac agcattatca gtgttaaggg tgtcatcgga accggcatta acatcattgg 180  
atgagtcgtc tgtaccgttt ctgcgttggc gtccacatc tccatcca 228

<210> 27384  
<211> 71  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700903056H1

<400> 27384

tcctcattga ccaggcagac ccaaacttga cccaaaaaca ccaaccccgc ctacaccaca 60  
aacctacaac a 71

<210> 27385  
<211> 269  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700903064H1

<400> 27385

cggaattcgg atcgaggatga tacagcacia gaggaccctc gagaggtgac tgctgcaaag 60  
gcagacttaa attatattgg gttagatgga gaaataggct gcatggtgaa tggagcaggg 120  
ttagcaatgg ccacaatgga tataattcaa ttgcatgggg gtactcctgt caattttttg 180  
gatgtaggtg gcaatgcctc tgaaggccag gtgggtgagg catttaaaat attgactgct 240

gatgacaaag tgaaggaatt gtggttaac

269

<210> 27386  
<211> 238  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700903072H1

<400> 27386

agacgggccc cattaccatt ttactgagaa gagtataatg gagaaagaaa tcaaagaggg 60  
aaagcttctt gagtttgctt ccgtccatgg taatctgtat ggaacaagtg ttgaggctgt 120  
cgaactggta tcagatgcag ggaaaagatg tattcttgat attgacgttc aaggtgcaag 180  
atctgtgagg gccagttctc ttgaagccat attcatcttt atctgtctcc atcaatgg 238

<210> 27387  
<211> 171  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700903079H1

<400> 27387

cgtggaattc tgctcgagac gcatgatatc attcgctctt ttgagaaggg caatatagtg 60  
tctccatttt ctatgcatca acagcagctt ggcattgctag gacacacaca gtctcttcta 120  
attgttgctg cagctagatc tactggcggg gatcccaggt atcctggtag c 171

<210> 27388  
<211> 260  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700903082H1

<400> 27388

gaaattgtca gtatgacgac tcaaatacaga acctggagac tatgatcagt acagtcattg 60  
gtcagtatgg actcttacct gtttcaggag ttatctccaa gcttaagtct gagggacatg 120  
gtcatgtttt tacttctgtt ttctatgcac aatctggcat tcaccccatg ttgagtccaa 180  
taccagtctg ccagaatgag agttctccct ttgcacaag tagctctttc tagtccaatc 240

ctgaaatcac tgctcagatc

260

<210> 27389  
 <211> 250  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700903084H1

<400> 27389

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attcttgcac aaatgtaaga attgaagatt gctatatagt tgctggggat gactgtgtgg 120

cggttaagag tggatgggat gagtatggca taaaatttgg gtggcccacc aaacagctag 180

tgataagaag gctaacatgg atctcaccat acagtgcaag cattgccttg ggaagtgaga 240

gtcaggtgga 250

<210> 27390  
 <211> 174  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700903086H1

<400> 27390

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cctcctccta ggctgggggt actgctctct ctctctcttc accccaatga atgatcgcg 120

ctctatctct tgctcttgtg cctgcttact tggcataatt cgagcaccaa cata 174

<210> 27391  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700903096H1

<400> 27391

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ttgggttaga tggagacata ggctgcatgg tgaatggagc agggtttagca atggccacaa 120

tggaataaat ttaattgcat ggggggtactc ctgccaat 180

cctctgaagg ccaggtggtt gaggcattta aaatattgac tgctgatgac aaagtgaagc 240  
aatttttggtt aac 253

<210> 27392  
<211> 275  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700903103H1  
  
<400> 27392

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gctggtgtgg atggccaact gtggttattg tgtcccatat ttttcacgtt gcagggattt 120  
gaggcatatg ttggactggt gttgctcagg actgcagttg ttggggttgt ttctgagtgg 180  
caggtaatat tttgcggtgt cctgttggtc ttaatggctg ttgggaactt tgcaaataca 240  
gtacagactc tgatggcaaa atcaagattt aaggc 275

<210> 27393  
<211> 70  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700903104H1  
  
<400> 27393

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acacaacata 70

<210> 27394  
<211> 269  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700903106H1  
  
<400> 27394

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cctctctcag gggtgatttt cgaaccattc gaggagggtta agaaggggtga acttgctgtt 120  
ccaacggctc cccaagtctc gcttgctcgt cagaactacg ctgacgagtg tgaatctgcc 180

attaatgagc agataaatgt ggaatacaat gcttcctatg cgtaccactc cttgtctgca 240  
tacttttgaca gggacaacgt ggctctcaa 269

<210> 27395  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700903108H1

<400> 27395

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actactaaac gctcttctct tctgcaatca atttgcaaac caaacacaac acaaggagaa 120  
gaaccagatc tctctttctc aaatcaccaa gaatagttga aaatggggct gtctttcacg 180  
aagctgttca gccggtctt tgcaagaag gagatgcgta ttcttatggg ggggtctcgac 240  
gccgccggtg aaaccacat tctctacaa 269

<210> 27396  
<211> 265  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700903110H1

<400> 27396

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caaggagaaa tctgcgccgc cagaaatcgt gcttaaagtg ttcattgcatt gtgaagggtg 120  
tgctcgcaag gttcgctcgt ccctcaaagg attcccaggg gtcgaagata tactcacaga 180  
ttgtaagtct cacaagggtg tcgtgaaagg agaaaaagcg gatccgctga aggttctaga 240  
gagagtacag aggaaaagcc ataga 265

<210> 27397  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700903111H1

<400> 27397

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 cctaagtcta gctgctaata gactcgccca tcatgacata aaacgtggtg gcattggctt 180  
 tggagcctct ttattcggat tgtttgctgc cattgctgct atttatctgt tgctattggc 240  
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<210> 27398  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700903112H1

<400> 27398

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 ttgggattga attggcatcg gagggaggcg atcgattgga aaattggtag tagtagttta 180  
 gcgttgaaga acgatgtctg ctgctgtgtg cggaagcgag agatctttct tcgaagagct 240  
 tctccttct cgcactct ccaag 265

<210> 27399  
 <211> 266  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700903114H1

<400> 27399

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 gatggagatg tttatggaca cacaggttca gctcgagaga atcaagcgcg ggaaaagatc 180  
 tggtctaac gatatgtata gctagccaag tgggcgatgg ttcgttgacg gtgcttgaaa 240  
 tgctgtcttg ctttggtgag aaagta 266

<210> 27400  
 <211> 123  
 <212> DNA

<213> Glycine max

<223> Clone ID: 700903115H1

<400> 27400

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 ttg 123

<210> 27401

<211> 228

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700903117H1

<400> 27401

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 atttccatgt atcangcgng ctttgagtat ggantcgttt accttgatgaa ccatggcggtg 180  
 gagaatgact tgggtcaaagc ctttgatgag agtaagaggt tcttctca 228

<210> 27402

<211> 136

<212> DNA

<213> Glycine max

<223> Clone ID: 700903121H1

<400> 27402

caacacacta tgaagtttgt gttgatctct ttcatttgat aaggctgttt caatattgtg 60  
 tagctccatg ttcaattcag agatcaacac actatgaagt ttgtgacata caaaaaacaa 120  
 aaagaaaaaa aaaaga 136

<210> 27403

<211> 267

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700903123H1

<400> 27403

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cctacactct ccgctctagn tcgaaccttg gcgtcgtcac cgacgcgagg acttctagaa 120  
ggaagaaatt tgaagacaga tgggagagag gaaggtgttg aacaagtatt acccaccgga 180  
ctttgatccc tccaagcttc ccagagcaag aaggccaaag aaccagcaga tcaaggtccg 240  
catgatgctt ccgatgagca ttcgatg 267

<210> 27404

<211> 235

<212> DNA

<213> Glycine max

<223> Clone ID: 700903011H1

<400> 27404

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at ttgagaag aaaggtttct acttgaaagg ttgaaactt gttactgtgg accgtccttt 180  
tgctgagaag cactatgctg atttgtctgc caagcctttc ttagtggttt ggtgg 235

<210> 27405

<211> 246

<212> DNA

<213> Glycine max

<223> Clone ID: 700902931H1

<400> 27405

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accgtatggg tttctatgtt gattgttaat aattattata ggtgaattga atagtgaana 180  
gatcaaattg tgcaaacctt ggccctgtat ctgcgtttat gtttactttt taatttgatg 240  
tatttg 246

<210> 27406

<211> 247  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700902932H1

<400> 27406

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 ctggatgatg ttagcatgtc tgagatttat tcttgttctc tttcaattcc tgcaagttac 120  
 ctcacgaga tatttagcgg gggtaggttg gaccgtcggg tcatggaaaa gcttgggttat 180  
 cttaattatt cttatactcc ttgggtatct gagaaccatg atatctctga gagagcagta 240  
 tattaca 247

<210> 27407  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700902936H1

<400> 27407

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 catggaaatg cctgaggagg aagagtttga gagtccgatc ctgaagggttg gggaggagaa 180  
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<210> 27408  
 <211> 230  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700902941H1

<400> 27408

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 tctccaagag agtttctacc tagaagtggg tacaccagct tacaatgtaa cactatacgg 180  
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<210> 27409  
 <211> 229  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700902943H1

<400> 27409

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 attctcctgg ctctcggcat cctctccatt cctagctcct cgcgtggaaa tttgccc aaa 180  
 ctaggcgatc tcgcatccat tgctcgcaac acaatccaca cttcatacg 229

<210> 27410  
 <211> 227  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700902950H1

<400> 27410

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 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaagggg ggcccccgta aaggaacccg 180  
 ttccaccggg aatttattcc gggacgggaa cggaggggggt gacgggt 227

<210> 27411  
 <211> 237  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700902953H1

<400> 27411

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 attccaggac gacaacaaca acaacaacaa caaaaagaag tgattgattt gtgatggaag 180  
 ataaatatag tctaggcagg cagcatagtg ggatatggaa gtccttgaga gatggag 237

<210> 27412  
 <211> 236  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700902958H1

<400> 27412

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 tcttagtggt gttgggaact ctactagaaa tctgcctgct actgagatgc cagaacaagg 120  
 taaacaggct caggttattc atggtttgcc agattttgct gatgtttaca gtttcattgg 180  
 aagtgtttat gatccagaca cagtaggagt cttccagaag ctgaaggata ttgatc 236

<210> 27413  
 <211> 229  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700902959H1

<400> 27413

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 ctttgtaaac atgttttctt atttaccct cccctccaa cccataagtg ggcttctctt 180  
 tctacatgtg taacttttag tgggttaaaga aaatatttct tttcctttt 229

<210> 27414  
 <211> 119  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700902964H1

<400> 27414

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 cttcttccat tggaggacca ttttctcctg gaatagaaat actaccacac aacatacga 119

<210> 27415  
 <211> 235

<212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700902966H1  
  
 <400> 27415  
  
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 aagcaccaag accttcacac ccatcagcct agttgcaaaa ccagcagtat tctcagtatg 120  
 atctcttagc cttccaggag tagcaacaag gatctggcaa gggtttgctt gcatccgttt 180  
 ctgctctaaa gcaagtcttg tccctccaat cagcacttgt acaccaatgg ttgg 235  
  
 <210> 27416  
 <211> 237  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700902974H1  
  
 <400> 27416  
  
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 cgaaaatctt accgaagctc ttttgccaac acgagatgca caacaacaac atcaaacaga 180  
 cgtcgtggaa caaagatttg gtgacaagct ctggcttgaa accaggaagt tatggct 237  
  
 <210> 27417  
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 <213> Glycine max  
  
 <223> Clone ID: 700902977H1  
  
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 aggctactca ccccgacacg ttgaaggcgg ggttggtga gttcatctcc accttgatct 180  
 tcgtgttcgc cggttcaggt tccggcatcg cctacaacaa gctcaccgac aacgg 235  
  
 <210> 27418  
 <211> 238

<212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700902981H1

<400> 27418

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 gacgacggca aggactacca ggagccggcg ccggcgccgc tggttgacct gacggagttt 180  
 acgtcatggt cgttttacgc agcagggata gcagagtttg tggccacttt tctgtttc 238

<210> 27419  
 <211> 233  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700902982H1

<400> 27419

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 gcctggcacg atgccggaac ttacgatgct aagaccaaga ccggtggacc taacggttcg 180  
 atccggaacg aggaagagta ttctcacgga gccataatg gcttgaagaa agc 233

<210> 27420  
 <211> 233  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700902986H1

<400> 27420

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 aaatgaacat gaccaaagaa ttagctaaaa caatgccccca gctagattag attggttata 120  
 tcctgtatta tataattcaa ttaaacagat ttattattca agagaaaatc agcattttctt 180  
 ctacagtact gagatttcct ccaagagtat tttatatata aatcaacatt ttg 233

<210> 27421  
 <211> 223

<212> DNA  
 <213> Glycine max

<223> Clone ID: 700902987H1

<400> 27421

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 gagtttcagt aattgctcaa gcatccgtaa agcttgtgaa tttctgctgt ccaagcagct 180  
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<210> 27422  
 <211> 231  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700902990H1

<400> 27422

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 cggaagaag tactgcgaca aaggatggga atgtaagggc tggtaatta ctgttgtaac 180  
 ctactatta ctgaatatct ccagacctac cagttcgaga atctcttctc c 231

<210> 27423  
 <211> 237  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700902991H1

<400> 27423

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 ggaatgggag ttggccaaga agcaagaact cgatgctgcc aagaagaaga gagccgagag 180  
 ccgcaaactc atctacaaca gagctaagca gtacgctaag gactacgac accagga 237

<210> 27424

<211> 235  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700902993H1

<400> 27424

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 agtgcatttc aatccacatc ggtcattttg ttattcaggt cggaaacgcc tgctgggagc 180  
 tctactgcct cgaacacggc attcagcctg atgggcagat gccaaagtgat aagac 235

<210> 27425  
 <211> 237  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700902994H1

<400> 27425

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 caatggccgt gttctacgtg gccatcctct acgctccac cgtgctcctt cgtctccac 180  
 ctctccttc cttcaaaacc tacatgcttc gtcgcttctt atgcgccgctc gtttcgt 237

<210> 27426  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700902995H1

<400> 27426

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 gaggagatgg tggagtcat ggagaaggc tccgcctccg ccgagagcga ggagctgacc 180  
 gtggaggagc gtaacctcct ctccgtcgcc tacaagaacg tgatcggcgc tcgccgcg 238

<210> 27427

<211> 241  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700902996H1

<400> 27427

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 taagctcggt gtgtaatggt ggatgtgttc ccaaaacatt tgaagaactt tgatgtttaa 180  
 tgggtctgta ataatgtccc ttgaaaataa gttegggttg tgttgaactc aattgtgtcc 240  
 c 241

<210> 27428  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700903001H1

<400> 27428

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 gtgaccggtt acgagctgga tccgtccagc ggcaaattca gcgccgatct gaacggttcg 180  
 tgcagtttct cctcgaagg ttcgtaccag ttgagctacc agaaaaccat caccggctac 240  
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<210> 27429  
 <211> 230  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700902930H1

<400> 27429

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 ggagtattag tgatcggtat ggggttatta gcctttatgc ctcttgcaag agaacttggt 180

ctgattctgt atcataagtt gaccttccaa tttttttaag aagcacctgt

230

<210> 27430

<211> 240

<212> DNA

<213> Glycine max

<223> Clone ID: 700903009H1

<400> 27430

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caggggttgg acatcaccaa attggtgggc gaatatcccg aatatgcaca gttcaacaaa 180

tacctaactg aaaccaagct ggcgaccaa atcaacagcc gtaacgcctt acagtccttg 240

<210> 27431

<211> 234

<212> DNA

<213> Glycine max

<223> Clone ID: 700903010H1

<400> 27431

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agaagatgcc gatcagaaac atcgccgtcg gaaggcctga agaggcgact caccgccaga 120

cgttgaaggc ggctttggct gagttcatct caaccttcac ctctgtgttc gccggctcag 180

gctccggcat cgcctacaac aagctcaccg acaacggcgc tgcacccctg ccgg 234

<210> 27432

<211> 249

<212> DNA

<213> Glycine max

<223> Clone ID: 700902901H1

<400> 27432

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atgacttgta cagagaaatg attgagagtg gtgtcattaa gcttgatgat aagcagagtg 120

aaagcaagtg tgctcttgtg tatgggtcaa tgaatgagcc ccctgggtgcc cgtgcccgtg 180

ttggtcttac tgggcttact gtggctgaac acttccgtga tgctgaaggg caagatgtgc 240  
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<210> 27433  
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 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700902906H1  
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 gagtcactcg agtggatctt ggtaactcta acctatctgg acatttggtta cctgaacttg 180  
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 ct 242

<210> 27434  
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 <212> DNA  
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 tggctctgact cccacatcaa gcaacttctg caaggcaggg caagccaact cagacttgac 180  
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<210> 27435  
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 <212> DNA  
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 <223> Clone ID: 700902908H1  
 <400> 27435

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tcgtgcagag aagaatatta ttgacctata tgtcatgctt ttaagatttt ctagtttggt 180  
gtctgagaca ataccacgcc accgagactt cagatcatct ccacacagga 230

<210> 27436  
<211> 243  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<223> Clone ID: 700902910H1

<400> 27436

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acgtggctcg ctgaatctgg cgttgttgct cgcgccttgg tcaactgcaat aaacgttgga 180  
tatcggcata tagattgtgc gcaaatttat ggcaatgaaa aggagattgg tgctgccttg 240  
aag 243

<210> 27437  
<211> 254  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700902917H1

<400> 27437

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accctatttg gattattatg ataaatttga tcttagattc ccaaatttta atttcaatgt 180  
atctcatcat ggtgactatg tggccatagc atctgaacct gtatgtcttg tgggggtaga 240  
cattgtctcc tatg 254

<210> 27438  
<211> 206  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700902922H1

<400> 27438

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 aagattggag actggaagat agcatgccac atgttctttc ttggtgtgtt aaatgggtat 180  
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<210> 27439

<211> 240

<212> DNA

<213> Glycine max

<223> Clone ID: 700902923H1

<400> 27439

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 aagagttcgg aaggggcact cagagcgtgc agttcagcag agagcccaac aatctctaca 180  
 acctcaacac tttcaagtac tccggtttgg cgaacaagaa aactgtcact gttcaacctg 240

<210> 27440

<211> 243

<212> DNA

<213> Glycine max

<223> Clone ID: 700902925H1

<400> 27440

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 agggcggtta ctacggccaa gagcagctgt ctaggcatcg aactctgatg gacatatttg 180  
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 acg 243

<210> 27441

<211> 240

<212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <223> Clone ID: 700902929H1  
  
 <400> 27441  
  
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 ctcattacca cgcangagta cggggagccc tgaaccgccc gctgctcggc ggatcccagc 120  
 tgcggtggcg acggcgggaa ggcgctttcc gctgttcctc agcggggcgg gcccttgacc 180  
 agcgcgggccc gcaggtcttc cttctcgccg tcttgacgtt gaagagctac atacgtagtc 240  
  
 <210> 27442  
 <211> 1044  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: fC-gmfl700905635  
  
 <400> 27442  
  
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 ccacaactct ttctgcccac ttgacattat accagaggga cacatctggc cttagtactg 120  
 aaaatacaga gcttaagctc cgtctgcaag ccatggagca acaagcacag cttcgcgatg 180  
 ctcttaatga agcattgaag aaggaagttg agagacttaa gggtgctacc ggtgagggga 240  
 tgagccacac tgaatccttt aatctgggaa tgcaccagat gccattttcc ggatcaaatt 300  
 tcattccaat cccgccacaa tcaggtcctt ctggtcacca gaacatgcag atgccaccat 360  
 ttggtcactc cccatccaca atgccaaactc atcaactgca tcaaacaagt tctcatccat 420  
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 aaggatcaac tctcgtgaag tctgaaggcc cctcgtcttc tgcaagtgaag agtagcagta 540  
 cattttgaat ttgacagaaa atgcttgacc tgctgactta tccatgctat tcattgctca 600  
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 taattcttaa ctatttattc taagggttgc tcgccaaaaa ggggaagcac ccttgggggtt 720  
 ttgttgcaaa gttcacagta atcatgtttc agcatggcat ttggtgtttc tgggcgctgg 780  
 aatattggga atgaaaggtc attcccattg tatctttgta tttgtatcat cgtttacgtg 840

atagcatgta aactgtgtga tttattgttg tgttttactt cattcatagt ccaagatgga 900  
 ctcttttttt tttttctttg tataattagt tttagattta ttcatagtcg ttgtacaatc 960  
 caagagtttt ggggtacttggt tgtattaaac ttcttctgag ataagacctt ttttttgaaa 1020  
 aaaaaaaaaa aaaaaaaaaa aaaa 1044

<210> 27443  
 <211> 281  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700889033H1

<400> 27443

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 ctgggttcac attcaccacc ctnaaattga ctctcttccg ggcgctatca tgcctaccg 180  
 cgaaangttt tgcgccattc gatgggtgtca acgtaaagtc cgcttcnctt tcgcgngcca 240  
 attgcaagct ctgcattaat gaatcggcca acgcgcgggg a 281

<210> 27444  
 <211> 77  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700889127H1

<400> 27444

agactaaagc acgcgtacgt aagcncggaa ttaggctcga gaggcncgag nacngcnctt 60  
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<210> 27445  
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 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700889330H1

<400> 27445

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cgccccctttt n 71

<210> 27446  
<211> 121  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<223> Clone ID: 700889718H1  
  
<400> 27446

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gccagcaaaa ggccaggaac cgtaaaaagg ccgcgttgct ggncgttttt accaacaaca 120  
a 121

<210> 27447  
<211> 276  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<223> Clone ID: 700890054H1  
  
<400> 27447

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ctncggcgag cggtatcagc tcaactcaaag gcggtataac gggtatccac agaatacagg 180  
gatnnacgca ggaaagaaca tgtgagcana angcnagcaa aaggccagga accgtaaaaa 240  
ggccgcggtg ctggcgtttt tccacacaan ananan 276

<210> 27448  
<211> 134  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<223> Clone ID: 700890268H1  
  
<400> 27448

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 gctttcccta tagtgagtcg tcattagagc ttggcgtcaa tcatgggcat cagctgtttc 120  
 ctgtgtgaaa ttgt 134

<210> 27449  
 <211> 73  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700890285H1

<400> 27449

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<210> 27450  
 <211> 72  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700890622H1

<400> 27450

ngcacgcgta cgtnagctcg gaattcggct cgagggttcta gatcgcgagc ngccgccctt 60  
 tttttttttt gn 72

<210> 27451  
 <211> 74  
 <212> DNA  
 <213> . Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700890665H1

<400> 27451

gtcncangca cgcgtacgta agctcggaat tcggctcgag tgacaagttg gagtctgatg 60  
 aaaaaaaaaa aang 74

<210> 27452  
 <211> 64

<212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700890678H1

<400> 27452

gtcgcangca cgcgtacgta agctcggaat tcgggctcga gaanaaaaaa aaaaaaaaaa 60  
 aaan 64

<210> 27453  
 <211> 286  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700890696H1

<400> 27453

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 gccgctttac aggcacgcac gccgcttcgt tctaccatcg ncaccaccnc gctggnaccc 120  
 agttgatcgg cgcgagatth antcgccgcy acaatttgcy acggcgcytg cagggccaga 180  
 ctggaggtgg caacgccaat cagcaacgac tgtttgcccg ccagttgttg tgccacgcgg 240  
 ttgggaatgt aattcagctc cgccatcgcc gttccacnt tntnnn 286

<210> 27454  
 <211> 167  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700890931H1

<400> 27454

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 gagctcgtcg acccggaat taattccgga ccgtacctg caggcgtacc agctttccct 120  
 atagtgaatc gtattagagc ttggcgtaat catggtcata gctgttt 167

<210> 27455  
 <211> 305  
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700891220H1

<400> 27455

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acagaactta atggggccgc taacagcgcg atttgctggt gacccaatgc gaccagatgc 120
tccacgcccc nnagcgtacc gtcttcatgg gagaaaataa tactgttgat ggggtgtctgg 180
tcagagacat caagaaataa cgccggaaca ttagtgcagg cagcttcac acaacataat 240
tttttnaaaa aaanaana nnnnnnnnnn nnnnnccact nnnnnnnnnn nnnnnnnnnn 300
nnanc 305
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<210> 27456

<211> 103

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700891549H1

<400> 27456

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atcnacntna anattgggtn cncaaaanan aaaaaaaaaa aag 103
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<210> 27457

<211> 204

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700891780H1

<400> 27457

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cggccgccga ctagtgaagt cgtcgacctg ggaattaatt ccggaccggt acctgcaggc 120
gtaccagctt tccctatagt gagtcgtatt agagcttggc gtaatcatgg tcatagctgt 180
ttcctgtgtg aaattgttat ccgc 204
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<210> 27458.  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891832H1

<400> 27458

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 aaattgttat ccgctcacia ttccacacia cat 153

<210> 27459  
 <211> 232  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700891833H1

<400> 27459

gncgcangca cgcgtacgtn aagctcggaa ttcggctcga gctcgaccgc tagttctaga 60  
 tcgcgagcgg ccgcccnttn ntgnnttcgt cgnctcgggt nttaattccg gaccggtacc 120  
 tgnaggngta cnagcnttcc ctatagttag tcgtattana gcttggcgta atcatgggtca 180  
 tagctgtttc cngtgtgaaa ttntnatncc ctcacaattc cacacaacat ac 232

<210> 27460  
 <211> 283  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700892052H1

<400> 27460

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 ccgcgaaagg ttttgcgcca ttcatgggtg tcaacgtaaa tgnccgcttc gccttncgcg 120  
 cgcggaattgc aagctctgca ttaatgaatc ggccaacgcg cggggagagg cggnttgctg 180  
 attgggcgct cttccgcttc ctcgctcact gactnrtctg gctcggctctg tcggctgcgg 240  
 ngagcgggtat cagctcactn aaaggnggna annngtttac ccc 283

<210> 27461  
 <211> 330  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700892110H1

<400> 27461

gataantcga atcgctcgagg nacctcaatc ggacaangag ncttatggaa gcnnannnan 60  
 ggattgaana tcccgggtgg nttnaagaag gggaanacca ggcaggnaaa cngtggttttc 120  
 cgntnaaagg cngaaggngn ttaaacnaac gatngccttg caagacttcc cganagcggg 180  
 naaaaccggt tggnaacnca aangttaggn gtttggancc cnaacttttn tggnaaaccc 240  
 ntgggnagacn tttaattccc nagntttccg gggttccttc ggaagggggg ncccactttg 300  
 gaattatccg gantgggtttt ccaaacaacc 330

<210> 27462  
 <211> 63  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700892554H1

<400> 27462

tcgcangcac gcgtacgtaa gctcgggaat tcggctcgag nnaaaaaaaaa aaaaaaaaaa 60  
 aan 63

<210> 27463  
 <211> 167  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700893209H1

<400> 27463

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 gactagttag ctcgtcgacc cggaatttaa ttccggaccg gtacctgcag gcgtaccagc 120

tttccctata gtgagtcgta ttagagcttg gcgtaatcat ggtcata

167

<210> 27464  
<211> 273  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<223> Clone ID: 700893240H1

<400> 27464

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ggaacgatgc cctcattcag catttgcatg gtttggtgaa aaccggacat ggcaactccag 120  
tcgccttccc gttccgctat cggtgaatt tgattgagag tgagatattt atgccagcca 180  
gccagacgca gacgcgccga gacagaactt aatgggcccc ctaacagcgc gatttgctgg 240  
tgaccaatg cgaccagatg ctccacgccc agt 273

<210> 27465  
<211> 148  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<223> Clone ID: 700893725H1

<400> 27465

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gtggnnacgt attagagctt ggcgtaatca tggatcatagc tgtttcctgt gtgaaatngt 120  
tatccgctgn caattccaca caacatan 148

<210> 27466  
<211> 162  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<223> Clone ID: 700893750H1

<400> 27466

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cagctttccc tatagtggag tcgtattaga gcttggcgta atcatggtca tagctgtttc 120

ctgtgtgaaa ttgttatccg ctcacaattc cacacaacat ac

162

<210> 27467  
 <211> 220  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <223> Clone ID: 700893842H1  
 <400> 27467

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 tccctatagt gagtcgnatt agagcttggc gtaatcatgg tcatagctgt ttctgtgtg 180  
 aaatngttat ccgctcaca ttccacacaa annnnccn 220

<210> 27468  
 <211> 260  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <223> Clone ID: 700893951H1  
 <400> 27468

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 aaaaaaaaaa angggcggcc gccgactagt gagcncgctg ncccgggant tanttccggn 120  
 cnggnncctg cngngtacc agcttnccct anagtgagnc gtnttanagc ttggngtaat 180  
 canggncana ncngtttcn gtgnnaaatt gttanccgcn canaattcca cacacacnnn 240  
 nnngccacng nnnngcnagn 260

<210> 27469  
 <211> 76  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <223> Clone ID: 700893983H1  
 <400> 27469

gggcgantcg angcncgcgt acgtncgctc ggnattcggc tcgaggnana aaaaaanann 60  
naaaaaaaaa aaaaaa 76

<210> 27470  
<211> 292  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<223> Clone ID: 700894050H1

<400> 27470

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ggngtactag nttaantat agtgagtngn antngaggtt ggcgtnttaa tgataatagc 120  
tgnttnatgt gtgaaattgt tatccgttca canttcgaca gatangtang atnnnngcgt 180  
ngcacncatg angaagttat tgtnatncaa anaaggnana ntnnncnatgt gngtaangna 240  
agcngcatan gantccaatn gttnannttt cgnannnatg agagnatnta tc 292

<210> 27471  
<211> 79  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<223> Clone ID: 700894125H1

<400> 27471

cgcgctccgtc anctcggaat tcggctcgag ngtggttaca ntggaaatgt gaaaagtatt 60  
ttccaaaaaa aaaaaaang 79

<210> 27472  
<211> 68  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<223> Clone ID: 700894321H1

<400> 27472

gtcgcacgca cgcgtaacgta agctcggaat tcggctcgag tttttttttt tttttttttt 60  
nccttccc 68

<210> 27473  
 <211> 62  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700894354H1

<400> 27473

tcgcangcac gcgtacgtaa gctcggaatt cggctcgaga aaaaaaaaaa aaaaaaaaaa 60

aa 62

<210> 27474  
 <211> 65  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700894476H1

<400> 27474

gtcgcangcn cgcgtacgtn agctcggnat tcggctcgan ctaaaaannaa aaaaaaaaaa 60

aaaaa 65

<210> 27475  
 <211> 79  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700894878H1

<400> 27475

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gccctttttt tttttttt 79

<210> 27476  
 <211> 59  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700894940H1

<400> 27476

gnagcatgca cgcgtacgta agctcggaat tcggctcgag ccagatcttg caaaaaaaaa 59

<210> 27477

<211> 106

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700895067H1

<400> 27477

nccacnngac gtcgcangca cgcgtacgta agctcggaat tcggctcgag ccaaattctg 60

gatacgggat tggatttctc tttaaaaaaaa aaaaaaaaaan gggngg 106

<210> 27478

<211> 202

<212> DNA

<213> Glycine max

<223> Clone ID: 700895120H1

<400> 27478

gtcgcacgca cgcgtacgta agctcggaat tcggctcgag actagttcta gatcgcgagc 60

ggccgcccac tagtgagctc gtcgaccgga gaattaattc cggaccggta cctgcaggcg 120

taccagcttt ccctatagtg agtcgtatta gagcttggcg taatcatggt catagctgtt 180

tcctgtgtga aattgttatc cg 202

<210> 27479

<211> 96

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700895277H1

<400> 27479

gacgtcgcan gcacgcgtac gtaagctcgn gaattcggct cgagnttcta gatcgcnagc 60

ngccnccctt tttntttnt tntntttnt ttnntn 96

<210> 27480  
 <211> 190  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700808309H1

<400> 27480

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 ccggaccggt acctgcaggc gtaccagctt tccctatagt gagtccgtat tagagcttgg 120  
 cgtaatcatg gtcatactgt tttcctgtgt gaaattgtta tccgctcaca attccacaca 180  
 acatacannn 190

<210> 27481  
 <211> 224  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700808406H1

<400> 27481

gtcgttagca cgcgtacgta agctcggaat tccggtcgag nactagttct agatcgcgag 60  
 cggccgcccga ctagttagct cgtcgacccg ggaattaatt ccggaccggt acctgcaggc 120  
 gtaccagctt tccctatagt gagtccgtatt agagcttggc gtaatcatgg tcatagctgt 180  
 ttcctgtgtg aaattgttat cccgctcaca ttccacacaa cata 224

<210> 27482  
 <211> 264  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944453H1

<400> 27482

ggcgaagaac agaataga ggaagaacaa gaggatgaca aggatgaaga gaatgaacaa 60  
 cagcaagaac aattacctga agagtttatc tttgatgctg aaggtggctt ggtagatgaa 120  
 aaactcctct tctttgccca acaagcacag agacgccgtg ggagggctgg aagggcaaaa 180  
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264

<210> 27483  
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<223> Clone ID: 700941050H1

<400> 27483

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agaaattgat gcaataaatg aaccttatag accaattcct tctggggcaa tatctgagaa 180  
tgaggtaatc actcaaatat ggggtgttgc gcttggtggt ctttctctgg ctggtatatt 240  
ggacatatgg gcagggc 257

<210> 27484  
<211> 268  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700943660H1

<400> 27484

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tctcgccgag tctctcttcc gatccgctt tcttcttacc aacacgaact cgtccaaacc 180  
gccaaatcta ttgcatctcc cggtcgtgga attcttgcaa ttgatgaatc aaatgccaca 240  
tgtgggaagc gtttagcatc cattggat 268

<210> 27485  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700944323H1

<400> 27485

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caattgagag gacgctggaa gtggccgaga aggtctggtc agaagtcttc ttctatttgg 120  
 ctgaaaacaa tgtccttttt gaggggaattt tgctcaaacc cagcatgggtt acacctgggg 180  
 ctgaacacaa ggaaaaggct tctccagaaa ccattgccaa atatactcta accatgctta 240  
 gaagaagagt tctcctgct gtcc 264

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 <223> Clone ID: 700946357H1  
 <400> 27486

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 ttttttatag ccggatttga gcatgatggt ttccagtttg tgtctgacag aaatttggag 180  
 ttataagggtt aatgatacca ttggaacatt agctggaggc agattctaca atcaggatgt 240  
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<210> 27487  
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 <223> Clone ID: 700946288H1  
 <400> 27487

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 cagaggacct cctgtgagga agcccgtga gtttagaagt atcagactgt atactatctt 180  
 tatggtctca tgttttttcc aattattact actcccaagt ttgatgggca aagaaaataa 240  
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<223> Clone ID: 700943619H1

<400> 27488

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gttacctgac caaggccctt ctgggtccac cgagtacgcc agtgggtaat gcactgtcaa 180  
agcagcgagc tatgctggaa aacatcctaa gggcttgtgt tggattagct cctgagaaca 240  
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<210> 27489

<211> 256

<212> DNA

<213> Glycine max

<223> Clone ID: 700942984H1

<400> 27489

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ggaaacaatg atggcatgaa tctctcagcc cctcaaacct tccgctcgaa ggaaatttcc 180  
aagagcaatg ttgttgacga tatgggtcaac agcaacgcc tctctatga gcctggtgaa 240  
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<210> 27490

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700943129H1

<400> 27490

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gttggtgacg atatggtcaa cagcaacgcc atcctctatg agcctggtga acatccggac 180  
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<223> Clone ID: 700943110H1

<400> 27491

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 ctggttccac cgagtacgcc agtggttaat gcactgtcaa agcagcgagc tatgctggaa 180  
 aacatctaag ggcttgtggt ggattagctc ctgagaacaa catgatcctg gagtacaagt 240  
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<210> 27492  
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<223> Clone ID: 700942857H1

<400> 27492

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 cctaagggct tgtgttggat tagctcctga gaacaacatg atcctggagt acaagtgaag 180  
 ttcaaagtct taagagtaat ggtttgggat actgtagttg aatgagatca aaacttaact 240  
 catatcccat accctct 257

<210> 27493  
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 <212> DNA  
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<223> Clone ID: 700944212H1

<400> 27493

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ctcagacaac ttcggtgcct acatcatatc aatggcaaca tccccatctg atgtgcttgc 180  
 tgttgagctt ttacaacgtg aatgccatgt gaagcagcca ctaaggggtg tgccactgtt 240  
 tgaaaagctt gctg 254

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 <223> Clone ID: 700944850H1  
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 ttggggcagg agctccagct gttttcaact gtgtggttga aattggcaaa ggcagtaagg 180  
 ttaagtatga gctggacaag acaagtggac ttataaaggt tgatcgtatt ctttactcat 240  
 cagttgtcta cccacacaac tatggt 266

<210> 27495  
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 <223> Clone ID: 700942540H1  
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 gaactggtct tattatgggt gatcgtatcc tttactcatc gggtgtgtat cctcacaact 180  
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<210> 27496  
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 <213> Glycine max  
 <223> Clone ID: 700943367H1  
 <400> 27496

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 ccgatccatt cactccctcc ctcttaaaac ctccttgagg atcaaagctt cccaaacaga 180  
 tgggaatgga agtcctgcaa agaggacagt gttcatgat ctttatgaga aagaagg 237

<210> 27497  
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 <223> Clone ID: 700941130H1  
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 tggaattgca gttagtacat atatttatga gctttataat gaagacttaa gatcagggtcc 180  
 agtctcagaa aagaactggg ggctatttta tgctaattgga gaaccagtgt ataccttaca 240  
 cttgactggg gctgggtatt 259

<210> 27498  
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 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700943566H1  
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 tctgctgctt agaggatgaag taacaatgtc aatgtccact tggttctcta taatgctact 180  
 ttgtcttgac catagtcaca tatataattc gctcaactta gtggagaacc gtgaattaat 240  
 ttgcgtgtac caattcacgg tt 262

<210> 27499  
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 <212> DNA  
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<223> Clone ID: 700941195H1

<400> 27499

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 gaagcggtta tcagttgaag ctgtttgcgc tcccaactaa ttggagaggc tgaatgatta 180  
 aggaagcacc cttttacgtg tagtgtgaag tgacttaaca agcacacgaa agaacaataa 240  
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<210> 27500

<211> 172

<212> DNA

<213> Glycine max

<223> Clone ID: 700943819H1

<400> 27500

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 aatcaagggg tgcattgatt tattgcccac atcagggtt cagatggaaa catatgtcca 120  
 aacatccgaa tagctgattg tggtcacaaa attgggttaa atggagtga ta 172

<210> 27501

<211> 266

<212> DNA

<213> Glycine max

<223> Clone ID: 700943683H1

<400> 27501

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 ttcaagccct gagttgctac ttgcacaagt tatggcagct tgcaaaaagt atgaggtgaa 180  
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<211> 265

<212> DNA  
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<223> Clone ID: 700943811H1

<400> 27502

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 tactatggca gtcattgcac ttaagtcccc atccattgaa gtcgctgttg ttgatatctc 180  
 taaatcccg c attgcagcct ggaacagcga ccagcttcct atctatgaac ctggccttga 240  
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<210> 27503  
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<223> Clone ID: 700943550H1

<400> 27503

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 ttactacaat ccccgctgtg attgggtcac tcattatattt ggctcattgga agcctggtaa 180  
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<223> Clone ID: 700942657H1

<400> 27504

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 gaggatccag cgctggatca gttcatggag gcttactgtg agatgctgat caagtacgag 180  
 caagagctct ccaaaccctt caaggaagcc atgctctttc ttcagaggat cgagtgccag 240

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278

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<223> Clone ID: 700943842H1

<400> 27505

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gagttcttaa agaaatgctg tgaacattg acggacgaaa acaggaggct aaagaaggag 180  
ctgcaagagc tgaaggcact gaaactagct caacccttgt acatgcctat gcctgctgcc 240  
acactcacca tgtgcccttc tt 262

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<223> Clone ID: 700944041H1

<400> 27506

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gcatgcaagt tttgagagtc tcaagtccaa ctatgactgt ctctcaagg agaaagacaa 120  
gttaaaagct gaggtggcga gcctcactga gaaggtgctt gcaagaggga aacaagagg 180  
gcacatgaag caggctgaaa gtgaaagtga agaaacaaaa ggattattgc atttgcagga 240  
acaggaacca cccagagg 259

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<223> Clone ID: 700941253H1

<400> 27507

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tgctgacatc cctgctgagg cgtacaagac cctcacatct ctgaatggcg tcaactgcata 120  
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 <223> Clone ID: 700940955H1  
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 <223> Clone ID: 700891361H1  
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 cactattgga tcttccctc agactgtaga actgaggagg gtacgccgtg aattcaaggc 180  
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<210> 27510  
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 ctatgggtgat gtagccgccc aaagccaatg actgtcttct ggatcatctt ggctcagagc 180  
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<223> Clone ID: 700890955H1

<400> 27511

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 aagggtgcag gatctgtgct tagcttcttg actgggtcat tggaactttc aaagcatatt 180  
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<223> Clone ID: 700889805H1

<400> 27512

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 ttcacactga atctgtaaac gagggtcacc ccgacaagct gtgacgaccag atctctgatg 180  
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<210> 27513  
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 <213> Glycine max

<223> Clone ID: 700890067H1

<400> 27513

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 ctgacaagct ctgcgaccaa atctccgatg ctgtcctcga cgcttgcctt gaacaggacc 180  
 cagacagcaa ggttgccctgc gaaacatgca ccaagaccaa cttgggtcatg gtctt 235

<210> 27514  
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 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700808455H1  
 <400> 27514

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 agatcaccac caaggcc 257

<210> 27515  
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 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700894462H1  
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 cgagaaga 248

<210> 27516  
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<400> 27516

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attgtgaagg aaaactttga tttcaggcct ggtatgatct ccatcaacct tgatctcaag 180  
aggggtggaa ataacaggtt tttgaagact gctgcctatg gacactttgg aa 232

<210> 27517

<211> 232

<212> DNA

<213> Glycine max

<223> Clone ID: 700943788H1

<400> 27517

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tacatagcat acagtctgtc ttctcttctc ttctccggtt atggcggtccg ccttgggcac 180  
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<210> 27518

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 700945376H1

<400> 27518

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ggagcgaggc taactctagg gatgtctctt tcctcttcca cgcgatcacg aacctatgca 180  
atggccgtat ctatcgacct caagaccgat aacaaactca ctcttaccaa gtccgaggaa 240  
gctttcgctg cggc 254

<210> 27519

<211> 248

<212> DNA

<213> Glycine max

<223> Clone ID: 700893754H1

<400> 27519

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 tacttccctg agttgatgga gatggctgaa aaattaattc gccagggtaa agcatatgtt 180  
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<210> 27520

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700892403H1

<400> 27520

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 tagatcacca tgatgcattc atcgcatatc tgaggaagat caatgacctt cccactgcaa 180  
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<210> 27521

<211> 238

<212> DNA

<213> Glycine max

<223> Clone ID: 700894874H1

<400> 27521

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 gatcaccatg gcggcgatgg agaacatgcc gctgatgaag tcggtggtgt acgaggcggtt 180  
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<223> Clone ID: 700890131H1

<400> 27522

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 aaaattcccc cagcaagttt ggctgcattt gttactgtgt ccttgcttgt ttgcattgtg 180  
 ctctatgac gcttctttgt gaagatcatg caaagggtta ccaagaacct cagaggcatt 240  
 acccttcttc agaggatg 258

<210> 27523  
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 <213> Glycine max

<223> Clone ID: 700889069H1

<400> 27523

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 tgcttgtgct gcagttgctt caatggatc catcatatct ggctatgaca cgggtgttat 180  
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<210> 27524  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892523H1

<400> 27524

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 aagcaggagt aggggatctt ttatcaaatt tgggccttag ttcagcatct gcttcttttc 180  
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tggatatttc tggca

255

<210> 27525  
<211> 257  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700893019H1

<400> 27525

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tgcatgagg ttcaagaggg aattcgaaca aaagctctgt gctgtgaggg ccgaaacagt 180  
ggctacagcc tctccagcag ttaccaagtc tacaccagaa gggaagataa cattgaggaa 240  
gggcagtgtt gtgataa 257

<210> 27526  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700888819H1

<400> 27526

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ctcttctgca ttgaggtgca agaggggaatt cgaacaaaag ctctgtgctg tgagggccga 180  
aacagtggct acagcctctc cagcagttac caagtctaca ccagaaggga agaaaacatt 240  
gag 243

<210> 27527  
<211> 252  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700892106H1

<400> 27527

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acagaagctc ttctccact tctcttctc ctgattgtg ctcttccgag tccaaccca 120  
 acaagcccga cagaatcaaa ggcccatgga ggcgcgaaga ggatcggatc ctgaccggac 180  
 tcgtcgaacg atacggccca cgaaattggt ccctcatcag ccgctacatt aagggaaggt 240  
 ccggcaagtc at 252

<210> 27528  
 <211> 262  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700943237H1

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 agagcctcca atgctaacac agggcgccac cctgtgtacc gtggagtgcg gcgtaggagt 180  
 agtggcaa at tggtttctga aatccgagga cccaataaac ctaacaggat ttggttaggg 240  
 aatttgccac acctgaaatg gc 262

<210> 27529  
 <211> 248  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944604H1

<400> 27529  
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 aacacacaca gaacatagct tgtgttggtg aggtgagaag ataaagaaag aatggcattt 120  
 gcaggaacaa cacagaagtg tatggcctgt gacaaaaccg tttatctggt tgataagttg 180  
 accgcggata accgagtttt ccacaaagct tgcttcagat gccatcactg caaaggaccc 240  
 ctcaagct 248

<210> 27530  
 <211> 244  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944587H1

<400> 27530

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atattcatta aactgggatc tgataaagat aagcgaaaag aggcttttga gaaggaagaa 180  
aaatccaaga agtccgtgag catcactgag tttctgaagc ctgctgaggg ggaagcatac 240  
tata 244

<210> 27531

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700893088H1

<400> 27531

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aggatcatga agaaggcggtt gccggcgaac gcgaagatat cgaaggaggc gaaggagacg 180  
gtgcaggagt gcgtgtcgga gttcatcagc ttcataacag gagaggcttc cgataagtgc 240  
cagaagg 247

<210> 27532

<211> 241

<212> DNA

<213> Glycine max

<223> Clone ID: 700890768H1

<400> 27532

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ctcaaattct acagattcat tcaaggaaga tgaatgttca ccagatgtc aactttgaag 120  
aacttgcccg gtccacagat gatttcaatg gcgcacaact gaaggctgtc tgtgttgagg 180  
ctggcatgtt ggctctacgc cgtgatgcaa ctgagggtgaa ccacgaggat tttaatgaag 240  
g 241

<210> 27533  
<211> 231  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700943357H1

<400> 27533

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tggaccttca ttccaaatgg ggaaataggt ttgagaacca tgcagaaata attaaactat 120  
aagctacctc ccttccaatc atcatcactc ataattttta ttaatttttt cctaccatac 180  
agtactatta gtattaatta gttctttgtc ttatgttttt gttttttaat a 231

<210> 27534  
<211> 284  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700942619H1

<400> 27534

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aagttgatga agatggccgg ttcggttaga actgggggaa agggtagcat gagaagaaag 120  
aagaaggctg tccacaagac aacaaccaca gatgacaaaa ggcttcagag caccctgaag 180  
agaatagggg tgaatgccat cccggctatt gaggagggtca atatctttta ggatgacgta 240  
gttatccagt ttctaaatcc caaagttcaa gcatccattg ctgc 284

<210> 27535  
<211> 274  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700945055H1

<400> 27535

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aatagagcaa tttcacaaca caactcttat aattgtgagt taagtatggg aaggccccct 120  
tgctgtgaga aagctcacac aacaaagggtg tctggactaa agaagaagat gacagactca 180

tatcttatat tcgagctcac ggagaaggct gctggcggttc actccccaaa gccgccggcc 240  
 ttctccggtg cggcaagagc tgccgtctcc ggtg 274

<210> 27536  
 <211> 265  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944006H1

<400> 27536

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 ctggtgggaa ggggtactatg agaaggaaga agaaagctgt ccacaagact actactacag 180  
 atgacaaaag gcttcaaagc accctgaaga ggataggagt gaatgctatc cctgcaattg 240  
 aagaagtcaa catctttaag gatga 265

<210> 27537  
 <211> 268  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700942949H1

<400> 27537

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 taccgccggcg gcgcggtgga agtgcaggtg caggtgcagg tgcaggcgcg gccccgttcc 120  
 agcacctgct ccagcagcag cagcagcagc tgcagatgtt ctggtcgtac cagcggcaag 180  
 agatcgagca cgtgaacgac ttcaagaacc accagctccc tttggcccg c atcaagaaga 240  
 tcatgaaggc cgacgaggac gtccgcat 268

<210> 27538  
 <211> 251  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944946H1

<400> 27538

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 tgcagcgact gcaagaggca gacggaggtg gtgtttgacc actctgccgg cgacacggtg 120  
 tgctcggagt gcggcctcgt actggagtcc cactctatcg acgagacctc tgagtggcgt 180  
 accttcgcca acgagtccgg tgacaacgat cccaatcgtg tcggcggggcc ctccaacccc 240  
 ctcttcaccg a 251

<210> 27539  
 <211> 252  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700941440H1

<400> 27539

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 gggaccctga agaggaagtt gtgattgggtg atttttcaca agttgatgtt cctgtggagg 120  
 atttgattgc ggatgctgat gagtggagtg aggatttgca gaaccttggtg gatcacatgg 180  
 gttatcttgg gtccaaaccg tagtggggaag gaaggatttt cattatctag ggggttcaga 240  
 taaaactttc cc 252

<210> 27540  
 <211> 134  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700942877H1

<400> 27540

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 catcaagctc catggtgaag gctgttggag atccctcccc aaagctgctg gcttgctcag 120  
 atgtggcaga gttg 134

<210> 27541  
 <211> 189  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944108H1

<400> 27541

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 ttccgccgag gcgagaagcg gcttctttgc gaaattcagc ggcggaagat ctcatcgccg 120  
 gcgccgtctc cgactgcgcc gacgacggtt acggtgccga tgccgttgac cgcgataccg 180  
 atcatatcg 189

<210> 27542

<211> 272

<212> DNA

<213> Glycine max

<223> Clone ID: 700944823H1

<400> 27542

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 cttttacagc aacaaacgtt attgatacta cgaattatct gccaccattg atagagaacg 120  
 ttgaaaacat ggtgccaaat atggaagtac agtctttag tatagacgag gaaggagaaa 180  
 tggcactaga gtgtttgcgg agacaagatt tgaatgagt ggtggagaat caacaacaat 240  
 gtcccagctt tcttttctgg gacaatatta at 272

<210> 27543

<211> 243

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700944875H1

<400> 27543

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 aaggggtcgc caccactaca agtgggttct cactgagacc atctgatgag gatgatgaag 120  
 caggtccttg tgaacaaagc acaaacgcta ttgatatgaa ggccttaga aggaaggttt 180  
 ctaatagaga gtctgcaagg aggtccagga gaaganaaca agcccatttg gctgacctgg 240  
 agt 243

<210> 27544

<211> 250  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944913H1

<400> 27544

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 aggggggtcat tttatatgga cgaacctggt actgggaaga ccttgcttgc gaaggccgtg 120  
 gcaaaactcaa catcagcaac attcttgccg gttgttggtg gtgaattgat aacaaagtac 180  
 ttgggagatg gcccaaaact tgtgagagaa ctttcagagt tgccgatgat ctttctcctt 240  
 ctattgtatt 250

<210> 27545  
 <211> 245  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894554H1

<400> 27545

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 gatgtgtcaa gagtacttgg agagaaatgg aaaaagttgt cagtgggaaga gaaggaacca 180  
 tacgaggcaa aggcacgtga agataaaaaa cgttacaagg atgagattag tggtagaaga 240  
 atccg 245

<210> 27546  
 <211> 277  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700942660H1

<400> 27546

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 ttcacaagcg cagacacttc aaatgggtct ggaagctctt caatcaccca gaactgccac 120  
 tccatcgttt agtccctttg aagaaaccaa cctcagttac ttggagacac cgtggaccaa 180

aggaaagcgt tetaagcgta gccgcatgga gcagcaactg caacactctt catgcaccga 240  
ggaagagtag ctcgtctctt gtctcatcat gctcgt 277

<210> 27547  
<211> 249  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700945128H1  
  
<400> 27547

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gtctcaagta tgtttggtgg aactagagat aaatgtgcgg gttgtcagaa aacagtgtat 120  
cccactgaaa aggttaccgt gaatggaact ccttatcaca agagttgttt caaatgcact 180  
catggagggt gtgttattag tccctccaac tacattgcac acgaaggcaa actctactgc 240  
aagcaccac 249

<210> 27548  
<211> 238  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700891618H1  
  
<400> 27548

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tggaagatat aggtccgaat tcatgcacaa ggccagtgcac agagaagaaa gcaagacccc 120  
aagaacaatt gaattgtcca aggtgcagtt caaccaacac aaagttctgt tattacaaca 180  
actacagcct cacacagcca agatacttct gcaagacttg tagaagggtat tggacaga 238

<210> 27549  
<211> 259  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700944619H1  
  
<400> 27549

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aggttcaaag cctcctcctc ctccgcctcc tcctatgttg gagagaaggg caaggcctca 120  
 aaaggatcaa gctttgaact gcccaagggtg caattcaaca aacaccaaatt tctgctacta 180  
 caacaactat agcctctctc agccaaggta cttttgcaag acatgtagaa ggtattggac 240  
 tgagggtggt tctctcaga 259

<210> 27550  
 <211> 260  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700944719H1  
 <400> 27550

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 cagccaactt gacagcaaga aaacgatgaa ggggtgacgg agaacagaat aactgagtaa 180  
 tggctagcat tcaactttca agttacattg gcaatacaag ttcagttggt gactcatttt 240  
 caggcatcaa attcccttgt 260

<210> 27551  
 <211> 251  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700888570H1  
 <400> 27551

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 cctgcattat atggctgaaa aggttaaggg gtctgaactc aggctcatac atggagatga 120  
 atggattcga aagtgcgaatt ggaagtttca gcagcatgca atgaaatatg agagagctag 180  
 ttggagtccc attctcaact tgcttaagga tgagggaatt catgttcagg gtacaaattc 240  
 ggtctcaaaa a 251

<210> 27552  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888837H1

<400> 27552

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cttctagacg cgaatctcaa cagccaattc cctcctcac caatggccaa acgatgtctg 180  
gtgagattcc gtgtgccaca cctgatactc aatctgtgag aactacttca ggtcctttgg 240

<210> 27553

<211> 248

<212> DNA

<213> Glycine max

<223> Clone ID: 700944678H1

<400> 27553

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cactctgaga agaaacgacg actaagcgtg gatcagggtga aggctttgga gaagaacttc 120  
gaagtagaga acaaactcga acctgaccga aagttgaagc tggcacaaga acttggcttg 180  
caaccaagac aagttgcggt ttggttccaa aaccgtcgtg ccagatggaa gacaaagcaa 240  
ttggaaag 248

<210> 27554

<211> 230

<212> DNA

<213> Glycine max

<223> Clone ID: 700891680H1

<400> 27554

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gcgtcaacag aatttcctcg acaccgagaa gagcgtggat cggaacaacc gaagcgagag 120  
caattgcgaa tccgaggatt tgagggaata caaagcggac attctaggtc accctctcta 180  
cgatcaactg ttgtcggcgc acgtctcgtg cctcagaatc gccacgccgg 230

<210> 27555

<211> 275

<212> DNA

<213> Glycine max

<223> Clone ID: 700943207H1

<400> 27555

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gctcattgga atggcgcaaa tgggtgagcc tctttggttg actaccctgg atggcaccac 120  
tggctcaacg atgatgagta catcaggtct tttcctcgag ggattggtcc tagaccggtt 180  
ggctctcaagt gtgaagcttc tagggagact gctgggttga tcatgaacca tggtaacctt 240  
gttgagatcc tcatggacgt gaatcaatgg tccac 275

<210> 27556

<211> 230

<212> DNA

<213> Glycine max

<223> Clone ID: 700943363H1

<400> 27556

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cttttgtaac ttcccatcat gcaacaaatc ctagtaatcc tagtaataat actaataata 120  
atgaaaacac aaactgtctc ttcattccca actgcagtaa cagttctgga actccttcta 180  
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<210> 27557

<211> 227

<212> DNA

<213> Glycine max

<223> Clone ID: 700945149H1

<400> 27557

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aagggttagaa gaagcatgtg cttctgcagc gacaatggct ggtgggtgatg cagcagctgg 120  
atcaactgca taggtgaagt tccacctttg gaccagtcac tgaggcttac tgtgagatgc 180  
tcacaaagta tgagcaagaa ctctccaaac ccctaaagga agccatg 227

<210> 27558

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<211> 220  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700893970H1

<400> 27558

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gtaagctacc aaaggatgca aggatagcac tcatggactg gtggaacacc catcatagat 120  
ggccttatcc tacggaagag gagaaagtga agttgtcaga aattactgga ctggatcaaa 180  
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<210> 27559  
<211> 249  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<223> Clone ID: 700888137H1

<400> 27559

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ttcctttgtc tctcctcaa tcttcattgt cctgttcttc ccctaggtga cacacacacg 120  
cagagatcat agcttgtgtt agtgagggtta gaagataaag aaagaatggc atttgcagga 180  
acaaccaga agtgtatggc ctgcgacaaa acggtttatc tggttgataa gttgaccgcg 240  
gataaccga 249

<210> 27560  
<211> 249  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<223> Clone ID: 700888138H1

<400> 27560

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gagatgctga ttctcaaatt tttgaaattg aagtntatgg agggggaatc tccattgatg 120  
cannctacnc gacttctaata ggaaaaatgc cagcacattc agacaggcca gcttctcaga 180

0032220.032200

ttcctcaatt tgatggacca attccttacg atgatgatgt ggtttnnact ccaaatatgt 240  
acaatatgg 249

<210> 27561  
<211> 245  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<223> Clone ID: 700888167H1

<400> 27561

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aaacagaagt cctttcacgg aggaagaaga agagcgtctt ctagcttctc accggattca 120  
tggcaataga tgggcagtaa ttgcaagaca cttcccagga cgaactgata acgctgtcaa 180  
gaatcattgg catgtgatga tggcaaggat tcggagagaa aggtctaaaa attatagtcc 240  
aaaac 245

<210> 27562  
<211> 245  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<223> Clone ID: 700888183H1

<400> 27562

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ttttgagttg gctgcaatag ctacagacat tagtaacctt gcttggctta aaagtggatt 120  
ggagagtagt agtgccaaaa tgatgggcaa cacctctgga agggtagtat ctaatggatc 180  
tcaagtacat attggccatt aaaatgccaa atagatcatc atcctattct gagtgaggac 240  
tggat 245

<210> 27563  
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<213> Glycine max

<223> Clone ID: 700888203H1

<400> 27563

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cattgtgtat tttacctggg tctcggttac cttctcccat ggaacgcttt catcaccgcc 180

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<210> 27564

<211> 200

<212> DNA

<213> Glycine max

<223> Clone ID: 700888204H1

<400> 27564

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actgtttttt gttttgatgg taaaagtctg agattttcaa attcacaagc agccataggg 120

ttttagtcca tttccttgct gctgaggagg gatgtcttaa atttgcattt aatttataag 180

gaagttttgt taactgtaac 200

<210> 27565

<211> 256

<212> DNA

<213> Glycine max

<223> Clone ID: 700888225H1

<400> 27565

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aggcaaccac cattacgagc tgaagaagcc tggtgtggag aaagaagctc cagggcatgc 180

catatgaggg catgcacgta cggcctcgga ggggaaccag aaaattatgt taacaaaata 240

atctggaacc ctaatg 256

<210> 27566

<211> 256

<212> DNA

<213> Glycine max

<223> Clone ID: 700888309H1

<400> 27566

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tcaagattaa cataacgacc tcgcgacccc aggaacaggg tattgtgttg ttagctgaa 120  
ggacatggag agaagcaatc cggtagaggaa gccacacact tcaactgcag atctgcttac 180  
gtggcctgaa actcccattt ctgattcccc agctcctcct tctccgccc ttcgttctca 240  
ccagccgtcg gatggg 256

<210> 27567

<211> 253

<212> DNA

<213> Glycine max

<223> Clone ID: 700888324H1

<400> 27567

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caatgggtgg tggaaagcgg aacacggtgg agacattctt cttagccact ctaattctct 180  
ggttcgcttc cctttgtttc cagattttgt tgaacaagcg ctgggagctt ctctctgtca 240  
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<210> 27568

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700888355H1

<400> 27568

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caatggattg gttgcataca tttgtgatat acaagaggcc ttcttgttga gcatggtgga 180  
tgagaataga tataagaaaa ttctcaggac ttatatggtt gatgaagaga aaggaagaat 240

gaggata

247

<210> 27569  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888380H1

<400> 27569

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 gagattgaag agaccagca gaccgacaag gacagatgga agggctcttgc ctatgatatc 180  
 tcagacgacc aacaagacat cacaagagga aagggtttgg ttgactccct tttccaagct 240  
 ccacagga 248

<210> 27570  
 <211> 146  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888381H1

<400> 27570

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<210> 27571  
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 <213> Glycine max

<223> Clone ID: 700888408H1

<400> 27571

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 ggggaagtac gtcggaaact cagatctgca actcgagcgc gtgaacgtct actacaatga 180

agcctcgtgc gggcgcttcg tgccacgcgc ggtgctgatg gacctggagc ccggaaccat 240  
 ggacagcgtg cggac 255

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 <213> Glycine max  
 <223> Clone ID: 700888436H1  
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 cagaaagtcc caggactcaa cacacttggg gtctctctgt caagaattga ctatgccccca 180  
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 ggcca 245

<210> 27573  
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 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700888440H1  
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 aacaggccaa ggaaaaactc agcagcattc tgttagaagg aaaacactta tctctattag 180  
 catatttgtc tccattaatc tcttacttca gtcctctatc aggaaattcc taccaaacaa 240  
 aattcattt 249

<210> 27574  
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 <213> Glycine max  
 <223> Clone ID: 700888449H1  
 <400> 27574

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 catcgcttac aacaagctca cggacaa 147

<210> 27575  
 <211> 238  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700888484H1  
 <400> 27575

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 agtctgttgt aatgaaaaat ataaggccac atgagctgac atggctgtaa gcttgcagtg 180  
 ttccattcct tctttaaggc ttgagctaca aatgcaattc agaattctcat gcattaat 238

<210> 27576  
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 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700888489H1  
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 tttaagcaca ttctgccccA tgttttctac catggaattc aatgatctga acaattccaa 180  
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<210> 27577  
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 <223> Clone ID: 700888502H1  
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 acatccagcg cgattagttc attggattct ggagaaattg atgcagcttc agattccgat 180  
 aaattgaagg gtgcattggt tgggaaggga aggggagctc cacagggtag tggaaggggc 240  
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<210> 27578  
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 <213> Glycine max  
 <223> Clone ID: 700888506H1  
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 tccatatctg tctcagctgt tcaggaaggg ggcaatgctc caactcctac atcttttcct 180  
 caaatcattg acgagccttt ttctccctca ccagcactga aaggaaaagg tccaattaga 240  
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<210> 27579  
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 <213> Glycine max  
 <223> Clone ID: 700888508H1  
 <400> 27579

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 ggggaagtac gtcggaaact cagatctgca actcgagcgc gtgaacgtct actacaatga 180  
 agcctcgtgc gggcgcttcg tgccacgcgc ggtgctgatg gacctggagc ccggaaccat 240  
 ggacagcgtg cggaccgggc c 261

<210> 27580  
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003300-02200

<213> Glycine max

<223> Clone ID: 700888517H1

<400> 27580

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caccttttct ggtttttctc ccaaaccag tgttgggggt gctcagaaaa acccaacttg 180  
ctctgtttct ctgagctttt tgaatgagaa acttgaagc agaaacctta gggtttgtgc 240  
ctcaacggtg cctctcac 258

<210> 27581

<211> 258

<212> DNA

<213> Glycine max

<223> Clone ID: 700888521H1

<400> 27581

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aagcctccga ggaagtcgcg ttccaaactc gcggagaagg ttgtttccga caaggagaac 180  
aacaactctt gtaaggtgga agctgcgtcc tggtcgctcg aaggttcttc gccgctttcg 240  
gatctgacgt ttgctgac 258

<210> 27582

<211> 124

<212> DNA

<213> Glycine max

<223> Clone ID: 700888535H1

<400> 27582

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tttcttctat cctcatatgt aattttttta catgatcaat taaacgtgat acaaaattat 120  
tctt 124

<210> 27583

<211> 256  
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<223> Clone ID: 700888538H1

<400> 27583

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 cttcaactgt gaagctatct tcgtatcgag catggccaaa tatgcatgac agtcgggttg 180  
 cgctttacaa gttgccattg cgggttccca aagatgacca agaatatgct ggtttatggg 240  
 gaggaacttt tgggttg 256

<210> 27584  
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<223> Clone ID: 700888546H1

<400> 27584

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 agcagagggt gacactttgg taaattctgg tggtagcata cacgaccggt atgctttgct 180  
 gtggaaacag caaatggaca ggagaaggca attagctcag cttggttctg caacaggagt 240  
 ctataaaaca cttgtg 256

<210> 27585  
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<223> Clone ID: 700888549H1

<400> 27585

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 aagcatgcaa agccaaaact agatagtagg tttatttttg atgttaatgt gatagatggg 180

acaatgatgg ctccatctac tgcatttaca aagatctggc ggatgcgcaa taatggcact 240  
 atagtctggc aca 253

<210> 27586  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888558H1

<400> 27586

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 tcgggagggt cagcatgagg aagaccgtca ccaagcaggc ctctccgga agcccatggt 180  
 acggcccaga ccgctgaag tacttggggc cattctctgg cgagccccg tcctacctca 240  
 ctggcgagtt ccca 254

<210> 27587  
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<223> Clone ID: 700888568H1

<400> 27587

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 aaattaacct ctccgcttcc ctccgatcca ttcactccct ccctcttaaa acctccttgc 180  
 ggatcaaagt ctcccaaaca gatgggaatg gaagtcctgc aaagaggaca gtgcttcatg 240  
 atctttatga 250

<210> 27588  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888575H1

<400> 27588

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 cggaggtggg aacgggaaga ctctcactgt gtaccatgtg agcgctgtt atccatgctc 180  
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 <213> Glycine max  
 <223> Clone ID: 700888582H1  
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 ggacgtcgag gacgttagga gggaaattca gataatgcat catttagctg gtcacaagaa 180  
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<210> 27590  
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 <223> Clone ID: 700888584H1  
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 agcaaccact ttaccgtcac ccatgggagg atgttctcta cacaagtga gaaagttttg 180  
 tgcgactgta agaactttgg catgcttcaa attagcaatc ttttgggaaa tcatgcacat 240  
 ctgaaatat 249

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<213> Glycine max

<223> Clone ID: 700888587H1

<400> 27591

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tttgatgta gctcggggag tggaatactt gcacagcttg gctcagcaaa gcttcattca 180  
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<212> DNA

<213> Glycine max

<223> Clone ID: 700888590H1

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tctaagaaat ttaccagac tattctgatt tacaactctt aataaagttg tgtttgccag 180  
ctagtaatta ccatcgcaat taggtgtatc tggaactgga actggaacaa actcatttat 240  
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<212> DNA

<213> Glycine max

<223> Clone ID: 700888591H1

<400> 27593

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ccagagaaga caggaaaagt cataatcgtg gatcacgttc ttcgaccga aggcaacgaa 180  
ctcttcacag acgttggcat cgcattcgac atgatgcttc tcgctcacia cgccggtggc 240

aaagagag

248

<210> 27594  
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<223> Clone ID: 700888638H1

<400> 27594

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acttatgcga aactatggtg accttatggc aatttgaaag tagaacagca aattgtctg 179

<210> 27595  
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<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<223> Clone ID: 700888658H1

<400> 27595

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aaatgtgcat ttggacattn cantanatgg gcagcgagtt cngaaggctt ccccnacnaa 120  
gcaatttggg tttcaagccc cnannganan cngngtcaat gccggctc 168

<210> 27596  
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<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
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<400> 27596

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ttgatgaaga tggccttctg gttagaactg ggggaaaggg cacctnagaa gaaagaagaa 120  
ggctgttcac aagacaacaa ccacnnatga caaaaggctt cagagcacc tgaannaata 180  
ggggtgaatn ccatcccggc tncgtaggag gtcaatntct ttaaggatnn cgtag 235

<210> 27597  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888822H1

<400> 27597

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 aactctactt gacaacttta tccacataag ggacagtgtt tcatatgctt tgttggtgt 180  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888826H1

<400> 27598

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 tccttcgagc ccctggagtt cagacgcctg taattgttcg tttctcaact gtcattcatg 180  
 agcgtggtag ccctgaaacc ttgagggacc ctgaggttt tgccgtgaag ttttaca 237

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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888828H1

<400> 27599

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 gttctttatg agcaggcagc taatgggttt agagttgccca aggactatga gaatgctaaa 180  
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<210> 27600  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888838H1

<400> 27600

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 tagcaaaacta gcatccaagc cagaatctga gtcaccatca cctttgcaaa attcacggct 180  
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<210> 27601  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888839H1

<400> 27601

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 tgttgaaatg gtcttttagta attatagttc tgccaatgaa tctcattggt taattctgat 180  
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<210> 27602  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888840H1

<400> 27602

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 gctgcatggt tctatcaatt tgaacaatgg gaatgaattg cttaatTTaa ggagagatgt 180  
 gaatcatgtg gttggacttg gacctacttt ggatgataaa gttcatgaaa atacagga 238

<210> 27603  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888841H1

<400> 27603

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 tcgatcaaag ggctaaaagt ttaaactttg ctgcttaaac ttttctttca cggtttgata 180  
 catcttattg atttttagtgc tatttcaaag gggcgaaatt tgagacatgg gcttgag 237

<210> 27604  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888843H1

<400> 27604

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 gcaactctca acggtgcctc cgaagcaaag aactccggag gccctagcca aggcaataga 180  
 agtgatggaa actctggacc aagcagcatt cagaggtgga ttcactctgg aaaaa 235

<210> 27605  
 <211> 242  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888846H1

<400> 27605

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 atggggaaaa agttctaatt cagtttgaag actttgcaaa ccacaatgct tttgatctgc 120  
 ttgagaaata tagatctaca catctgggtc ttaatgatga tattcagga acagcatccg 180  
 tggttcttgc tggacttggt gcagctctga agttgggttg gggtaactta gctgatcaca 240

ga

242

<210> 27606  
<211> 248  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700888848H1

<400> 27606

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tttcaactgt cttatttcct gaatcaaaga ttaccgggct taatgttatt ggctatgcta 120  
ttgctttaag tgggtgttgtt ttttacaact accttaaggt cagggatggt cgcacatctc 180  
aacttcaaag tatccaagat gaatcagcaa aggagctgca gacggagaag aaagcagatg 240  
atgccatg 248

<210> 27607  
<211> 239  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700888852H1

<400> 27607

gacacaattg acaatgtgaa ggcaaagatc caagacaagg agggatatccc accagaccaa 60  
cagaggctca tttttgctgg caaacagctt gaagatggcc gaaccttggc tgattacaac 120  
atccaaaaag aatctaccct ccacttggtg ctccgtctgc gcggtgggtat gcaaattctt 180  
gtgaagaccc ttactgggaa gaccattact ttggaggtag agagctcaga cacaattga 239

<210> 27608  
<211> 238  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700888853H1

<400> 27608

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ctttccaaat ggccagcgtt gaggttgacac atcaaacacc aacaacagtt ccagaaaatg 120

aaacaaccga ggtaatcaag acccaggaaa caaccccgga accagtacca gccactgagg 180  
 ctcttgcaac agaacaagca gcagctgagg ttctgtctca agaagaacaa caagcaac 238

<210> 27609  
 <211> 236  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888855H1

<400> 27609

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 ctttttacca caccaagagg acagaaagga gaggccatct tttactttct ctttgttcat 180  
 gcggttcttg ttctcggtt ttatagggat gacgatgact caggcctttt tattcc 236

<210> 27610  
 <211> 234  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888858H1

<400> 27610

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 acagtctatt aaaggcagca gatctttcaa tgaccggcag acgcaattgt ccaagcctaa 120  
 gcacccttca aagtctgatg cagcatcttc tgaagtatca gtggagaaga caaaacaaaa 180  
 atcattgaga aaaggacca ttgataaagt tcaaggagaa ggagaatctt cttt 234

<210> 27611  
 <211> 236  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888860H1

<400> 27611

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 cgcttctgcg acggaagctt gccggaaacc gcgccaaggt gggcgtgaag gtagccggag 120



gattcgccga ggagaaattg cttgttagtt ctgaggtaa cacaatattg tcaccaaggc 120  
 cttcttctaa tgtggcattg aaaccaagct ctatgcttga gaatgttggg gctcagcaat 180  
 ccaaagccaa agaactcgca acagcgaagg ttggtcttga gaggtctcat gttttc 236

<210> 27615  
 <211> 236  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888869H1

<400> 27615

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 tcaaggcgaa gttgtttggg gagacgcacg tttttatata gagcagggag tcagcaaaag 180  
 tgattgtaaa caaggagaac gagggaggga aattctcaaa gagctacata aaatca 236

<210> 27616  
 <211> 235  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888870H1

<400> 27616

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 ttgtccaacc agaccctatg gggttgcaga ttgatcgttt gcacaaccaa ctcacagaaa 180  
 aggtcaagga actagcaaat tgccagagtg aaatcaaggc cttaagggca actga 235

<210> 27617  
 <211> 232  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888873H1

<400> 27617

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aggataagta ttagtatttc gcgggataaa aagaagaatg aaaacctaca gatataaatg 120  
 gcggagtgca atcctcactt ctccgacgac acgccctcac ctgcttcttc cgtcgactcc 180  
 ccatccccgc cgccgacttt caacggcatc gtcattgtgt cgcagccgga ca 232

<210> 27618  
 <211> 245  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888880H1

<400> 27618

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 cctctcgtat ccgtcatgaa aggaggaaaag tccaagaccg aatctaagag agccgatccc 120  
 aaacttgctg tgaataagaa gggagccgcc accaaggcta ggaaacccgc cggcaagggg 180  
 aaggcagcga aagaccctaa caagccaaag aggcctccaa gtgctttctt cgttttcatg 240  
 gagga 245

<210> 27619  
 <211> 233  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888888H1

<400> 27619

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 gagacagatc acaagaaaca ccagcagcta taaaaacctg agacgaattt agatgtggga 180  
 agggagacaa gtgttgggaa ccatttttgt gaggtggaga agaaaacgtt ttg 233

<210> 27620  
 <211> 231  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888890H1

<400> 27620

aacaaacctg acacagagac agcgtgaatt aattgaagag tttgccaagg aaggacaaga 60  
 ggaatgtgat aaacggagag ctgcttcggc ttctggttga aaacttttgc agaatctcct 120  
 ctatttgttt attgtcaagt catatgctca actaggtggg aaccacttg ttagaagttt 180  
 tgtaggagca ttaaagtttt ttttttcttt gccccatcca catatagtgt a 231

<210> 27621  
 <211> 231  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700888891H1  
 <400> 27621

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 tccaccaaag atggtgctga attttctggt cgtagtgaac catgcaagcc tggagctcat 120  
 tgtgccacac ttaaaaaatt atatgcagca gagaagaaac ttttcaaggc attaaaggag 180  
 gagggaattg ttgcattgga gtttgacagg aagtccatgt tattgcgtaa a 231

<210> 27622  
 <211> 242  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700888895H1  
 <400> 27622

caagaactag cagagcatat aattccattt ctctgtcac tctcacaaca gtgactgaac 60  
 ctgttagcca aagtttcatt tgaaaatggg acttcctgc cctgcccata tactagttgg 120  
 cctctcctta gaccagatg acagcaagga gcttctgtca tgggcaataa gagttctagc 180  
 caatccaaat gacaccattg tggtgtgca tgttctgtt gctgcggata agaagaagcg 240  
 tg 242

<210> 27623  
 <211> 265  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700888912H1

<400> 27623

ggctgaggct tcagcacaag cttgtgtcag tattccttcc aatccctgga gttctctgca 60  
 aaggggtttc agtgcataat aactccctgt aatgtgcact agtaaagacc aaagtatgat 120  
 tattgttaca ttatgttaca tggttgtact tgtatatata tatcttgtcc cacctttgta 180  
 aatacaattg ggacactact aggattggga agaagggtct ttacatttat agtttggcaa 240  
 atagatattg caactacctt tgtat 265

<210> 27624

<211> 270

<212> DNA

<213> Glycine max

<223> Clone ID: 700888919H1

<400> 27624

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 agccaatggt taaatcttct tgtttgtgta ctgctattgc tcaaggcaga aggatcttta 120  
 gttccattga ttttggtcga gaatgcagaa tcaaaaggag ctgtttgttt ggatggaagt 180  
 cccccagctt accactttga taagggattt ggggaaggta ttaatagctg gattgttcac 240  
 attgagggag gaggatggtg caacaatatc 270

<210> 27625

<211> 262

<212> DNA

<213> Glycine max

<223> Clone ID: 700888927H1

<400> 27625

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 ttgtgttgca agcaccggtt ctcaagaagt acccggtcg cctctctgtc acttcttaca 120  
 cctgtttctt tggactcttg cagtttctcg tcattgcttt gtccttgaa agagacgcgc 180  
 aggcatggct tttccactct ggtggagaag ctttcactat tttatacgcg ggagtgggtg 240  
 catctggaat tgccttcgct gt 262

<210> 27626

<211> 274  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888934H1

<400> 27626

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 caccggtccg aagccaattc ccggtcagaa cgtaaccgtt cactgcactg gtttcgggaa 120  
 gaacggtgac ctttctcaga aattctggag gttacctacc tatatcattt ctcttccttt 180  
 cctttccttt ccttctttat taattaactc tccttatctt acacttactt acagcacaaa 240  
 ggatcctggc cagaacccat tcactttcaa aatc 274

<210> 27627  
 <211> 269  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888938H1

<400> 27627

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 taggagaagg aggttttggg actgtctaca aggccaagtt ggaagatggc ctggttgtgg 120  
 ctgtaaaacg tgcaaagaag gaacattttg atagtttgag aacagaattc agcagtga 180  
 ttgaactttt ggccaaaatt gatcatcgaa acctggtgaa gctactaggt tatattgaca 240  
 aaggaaatga acgccttctt attacagag 269

<210> 27628  
 <211> 260  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888943H1

<400> 27628

attggtgtgc ctgagccttt gtctgtgttt gttgacacct atggcactgg gaagatctat 60  
 gataaggaga ttctcaacat tgtgaaggaa aactttgatt tcaggcctgg tatgatctcc 120  
 atcaaccttg atctcaagag ggggtggaaat aacagggtttt tgaagactgc tgcctatgga 180

cactttggaa gagaagaccc tgacttcaca tgggaagtgg tcaaaccct caagtgggag 240  
aaggcctaag taattcattc 260

<210> 27629  
<211> 261  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700888947H1

<400> 27629

aaaaataatt aactctgatt tgaaaagaaa agatggtttg tgtcctttaa cacctgagga 60  
gactgccctt acacttaggg cccttgacat cggtaaagc attcaaactt acattgcagc 120  
tgaggaaata tatggtgggg acaagagaat ggcaagtctt gcgaagaact atccaaaatt 180  
ggtcagaaag gaaacactgt tggaaccatc tgatcttcag ttcttccaaa atcattcctc 240  
tcagatggcg gctttggatt a 261

<210> 27630  
<211> 267  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700888951H1

<400> 27630

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gtgatatcaa ggtctctatg acgaagtggc ccagatcttt ctatccttgg ctccccggtt 120  
ctcctaagtt gaatttcaga catgtattct gagaaaatat ttattccccg gacaaagaaa 180  
aaccatcctg tcttttcacg ggcacaactg gtgcaggaaa gcatctgtgg caatgataag 240  
aaagcagtgt accagcatat tgtcaag 267

<210> 27631  
<211> 176  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700888953H1

<400> 27631

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 atatgaaaac aatttgcgca aaacaaaatt atcctgtagt gtttgtttcc ccattttggt 120  
 gaattctgag tccactttca tgaatatact tcttctaatac aaaatccttc aagccc 176

<210> 27632  
 <211> 261  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888957H1

<400> 27632

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 ttttgcattg atggcactgt gcaaccggtg cagatcgga atctctctct tcaccaaatac 120  
 cacgttcctt acttcccagc gatccagtct ccaacgatcc ctcgttgccc ctttcatttc 180  
 cctcgctcc agaaattacg ccaacgtgcc ggggcaaaag gaaaccaaag ttaagggtccc 240  
 tctggctttg tttggagggt c 261

<210> 27633  
 <211> 258  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888959H1

<400> 27633

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 acagtcttgg ctggaaggta ttatgtaaca gaatatcttg gttcagctgc cttcagtagg 120  
 gttgttcagg cacatgatct tcagacagga atagatgttt gcttgaagat cattaaaaac 180  
 gacaaagact tttttgatca aagcttagat gaaatcaagc ttctgaaact tgtcaataag 240  
 catgacccag cagatcta 258

<210> 27634  
 <211> 259  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888961H1

<400> 27634

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cagccttctc aagcagttca aggacacacg ccaactaatt caatttctac agctacttct 120  
gcaacgggct cacctaccac aattgatcta atctccgaaa gtgagtcact aaggaatcaa 180  
tagttcataa agaataagag aatgacatag gtttgtgttt gtgttgaaaa ggtagagcag 240  
tatatagttt cttgtaaaa 259

<210> 27635

<211> 263

<212> DNA

<213> Glycine max

<223> Clone ID: 700888969H1

<400> 27635

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ggttttggcc gggcttttca tagatctggg gcgtagaggc tcagatctac ggtaccgagg 180  
tacaacagag aatcgatgac aagaacgcag atccgacggg agatccagcc gattccgctt 240  
gttcgatcgc tacagacccc tgt 263

<210> 27636

<211> 257

<212> DNA

<213> Glycine max

<223> Clone ID: 700888974H1

<400> 27636

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cgaccagctc accgacgacc agatcgccga gttcaaggag gccttcagcc tcttcgacaa 120  
ggacggcgat gggtgcatta ctaccaagga acttgggact gttatgaggt cacttgggtca 180  
aaaccaact gaggcagaac tgcaggatat gataaacgag gttgatgctg atggcaacgg 240  
aaccatcgat ttcccag 257

<210> 27637

<211> 256  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888975H1

<400> 27637

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 actgccactt ggagggtacac acaacatggg ggctaaagat ggcctttttg gtggacaatg 120  
 gcaaagggtcc aaagcaatca gtgataccac cacctaaaga tcttcccaaa tgctaatacg 180  
 tcaatcatca attaattatg caatacacia aagaaaggcc ttccaatgcc gaaacaaaag 240  
 aagcttttga gggata 256

<210> 27638  
 <211> 255  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888977H1

<400> 27638

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 aattgagcag gctatccaat ggctcgatgg aaaccaactt gctgaagctg acgaattcga 120  
 ggacaagatg aaggagttgg agagcatttg taaccccatc atagcaaaga tgtaccaagg 180  
 agctgggtgt gatgcgggtg gagccatgga tgaggatggt cctgctgctg gcagtgggaag 240  
 cggtgctgga ccaa 255

<210> 27639  
 <211> 257  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888979H1

<400> 27639

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 gacgaagagc ttctccaact agtggagctc gaagtcgcgc accttctgag ctctacgaa 120  
 ttccccggtg acgatacccc cattgtctcg ggctccgcgc tcttagccct agaagcactc 180

atggccaacc ctgcaatcaa acgcggcgac aacgagtggg tcgacaagat ttccaactc 240  
atggacgagg tcgacaa 257

<210> 27640  
<211> 269  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700888981H1

<400> 27640

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aaactcactc tactgccttc tgcagaagga tccttctaca gcagaagaca tgaccaaaaa 120  
tggcaatagt ctgggagatg caaatgcctt gtcaaggggtg aactcactat actcccttct 180  
gcagaatgca gaagacgcaa tggccagaaa tggcaatggg ctgagagatg cagatgtgat 240  
gtcaaggggtg aactcgtgtg actgtcttc 269

<210> 27641  
<211> 260  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700888988H1

<400> 27641

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tggtggaaat cttgtaactg atggaaagaa gacatatgat gatgacacgg gtgagactac 120  
tggaccagca agctttcata atgaccgtgg aaaaaactgg gcacttatca acaatgggtca 180  
tttctttgat accgaccgct taaactacta taatgtgact aattcaacta agcttgtaat 240  
ggagaatggt gaactgtaca 260

<210> 27642  
<211> 241  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700888991H1

<400> 27642

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 gttggaaggg aagaacccca gcttattttc gcttctgcag aactgagga aattgttgat 120  
 gcttaaacctt actttcaa at tagctagata tatagctttt cttttctttt ctttctgttt 180  
 ggtccctact taattatgat ttttaattttg gaataaatga acaacatgtg aattatgaag 240  
 g 241

<210> 27643  
 <211> 253  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700888993H1  
 <400> 27643

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 ttatattatt actgataaat tggttggtggg ggtggcatag ttgcagttgg aaatcgaaag 120  
 aagagaaaag aaattggata gtgattattt gggttcgtta tcgttgaaac gttttctcaa 180  
 atctggtgtg gtgaataaca tcacccctca cactcactca acctaaacaa aatgcagagc 240  
 cagagaacca cgc 253

<210> 27644  
 <211> 244  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700889001H1  
 <400> 27644

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 caatagactc cccagatact cttcctatta tttatgaacg aggtcttttt ggtatatatc 120  
 atgattgggtg tgaatcattt agcacctatc ctaggaccta tgatctcctc catgctgac 180  
 atttgttttc aaagcttaag aaaaggtgca atttggctgc ttagtgggct gaggctgac 240  
 ggat 244

<210> 27645  
 <211> 245  
 <212> DNA

<213> Glycine max

<223> Clone ID: 700889002H1

<400> 27645

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 agagggacaa ggcgaaagca ttccaggaag ttgcaataa tttcaggcct gttatgcatt 120  
 attttttctt ggagagattt ttacagccag ctgagtgggt tgaaaagaga cttgcttata 180  
 cccgaagtgt tgctgctagt tctatgggtg gttacattgt tggccttgga gatcgacatg 240  
 caatg 245

<210> 27646

<211> 246

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700889004H1

<400> 27646

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 tgggccttca aatcttgctt ggagaaggct caattttggt ggaaacctct cacacaagaa 120  
 agcatagttt cttttgggtt cattctactt ggtgtttaga gatggtgaga ggaaagactc 180  
 agctgaggcg catagagaac gccacnagca ggcaagtcac cttttcaaag cggcgtaatg 240  
 ggttgc 246

<210> 27647

<211> 242

<212> DNA

<213> Glycine max

<223> Clone ID: 700889007H1

<400> 27647

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 aatttacatg cctttggata atgtgggaat gtggaatgtg aggtctgaga attgggttca 120  
 tcagtatttg ggccagcaat tttatcttag agtgtattcc cctgcaaatt catggagaga 180  
 tgagtaccca attccaagca atgctattcg gtgtggcaag gctgtgggac actactaatg 240

cc

242

<210> 27648  
 <211> 242  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700889009H1

<400> 27648

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 cagagcttct ggcaattggg tgatgaactc cgtgggcact caaaagcatc ggaggatcac 120  
 aagtgggttaa tggttgcctc gaaactggcc gaacagacaa gattgaaggg ggagcgtgtg 180  
 aacaaccttg atctttcaaa gggaccatt gaaacaaggt caagggataa atttgggttc 240

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242

<210> 27649  
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 <213> Glycine max

<223> Clone ID: 700889014H1

<400> 27649

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 ctttcttcaa caacagctcc ttccatttcc ctctctcttc tagttctcac acgtgtcttc 180  
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t

241

<210> 27650  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700889035H1

<400> 27650

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gaaactcaaa gcttacatat ctgcttcagc cttgtctagg tggagactcc aagacactaa 120  
 tgtttgtgaa catatcacct gatccttctt cagttggtga gtcactatgc tcactcaggt 180  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700889038H1

<400> 27651

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 agaaatatgg atcatttctc aagtaccca aaaaaaatt gatgtccaaa cgcagctatg 180  
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 <213> Glycine max

<223> Clone ID: 700889040H1

<400> 27652

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 atccagaagg tgaatatgtg aggcaatggc tacctgagtt ggcaagaatg ccaactgagt 180  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700889042H1

<400> 27653

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gttcttgaca atgaagcact ctatgacatt tgcttcagga ccttaaaact caccactcct 180  
agttttggtg atctgaacca cctgatttct gcgacaatga gtggagtgc atgttgc 237

<210> 27654  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700889050H1

<400> 27654

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agacgatgtt ccgattatct ccggttccgc tttgctgtct ttggaagctt tgatggccaa 120  
ccctgccatc aagcgcgggc aaaaccaatg ggttgataaa atttacgagc tcatggaagc 180  
tgtggatgac tacattccca tccctcagcg ccaaactgaa cttccctttt tgct 234

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<212> DNA  
<213> Glycine max

<223> Clone ID: 700889066H1

<400> 27655

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aaatgggacg cctgcattga ttcaccgctc cgtcgcttcg tctactccgc aaccgccggt 180  
gcatttggcg gtctcctatt tttcaggagt cctgtgactc gatgggcac tat 233

<210> 27656  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700889074H1

<400> 27656

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aaggctagta ttaataatga tgcatacagca attggtaaag caccctcttc accaccagtg 120  
 cctgctacaa gttctacagg accagtgaga gtagaaaaca aaaaagaaga gaaaggacaa 180  
 gctcagagaa agcaacgcag gtgttggtca caggaattgc acaagagatt ctt 233

<210> 27657  
 <211> 230  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700889087H1

<400> 27657

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 ttgggttcaa agttcacaag ccataaagct gaagttgaag ctttcatgaa agtaaaaatc 180  
 tgcccgtgtc tcatttaact cttccttatg gttctctttg caacatccgg 230

<210> 27658  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700889093H1

<400> 27658

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 taaaaaatca tgttctcctt taccaccacc accatttgct cctaccatt tgagcaactc 120  
 aaggagaatg ttggaaattc aagacaacga gaagattcct ctgcctccat gtccattaca 180  
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<210> 27659  
 <211> 230  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700889096H1

<400> 27659

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tggaaagtgt gtgtctcaag agcttagaat ttaaagagcg caactacatg ggattatctg 120  
 attgttcttc tgtggacagc tcggttccgt ccttctctga agagactaaa agtaatctga 180  
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<210> 27660  
 <211> 278  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700889106H1  
 <400> 27660

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 gtcttcaca taattccaat ttgccagaag aaccaatggt gtcaacgaaa aaggaagcaa 120  
 catgttatgc aacaaggcgt tacagaggtg tgaggagaag gccatggggg aagtttgcg 180  
 cagagattcg cgaccccaaa aagaaaggga gcagggtgtg gcttggcaca ttgacactg 240  
 agattgatgc tgctaaggct tatgattgtg ctgccttc 278

<210> 27661  
 <211> 279  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <223> Clone ID: 700889116H1  
 <400> 27661

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 agattgcacc aactacaagg cactatagga gtgtctccat ggatagtctc attgggaagt 120  
 tgaatttcgg tgacgagtcg ccgaagctgc ctccttcgcc ggggcagaga ggtgggttga 180  
 tgtcgcctgc ggggtgaatt gatgggaatt cggcggcctt cagcttgag tttggaaatg 240  
 gggagtttag tgggcctgaa ttgaagaaaa tatggccaa 279

<210> 27662  
 <211> 275  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700889117H1

<400> 27662

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 ttttaaagca catcacgttg attagaagca tgtttcttga aaaggggata aataaactat 120  
 gttttggtac ttgtgaaaat gttatcgtgt ttggtataga gctggtgcac tagtttactg 180  
 gatcagcaga aatggtgaag ctcaagttcc tggtagctat cttcttgcac tcaagaaaag 240  
 agtttagctga atgttttggg ggggctgaat tctgt 275

<210> 27663

<211> 271

<212> DNA

<213> Glycine max

<223> Clone ID: 700889153H1

<400> 27663

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 catggggaag aagagcacag tgcagtgact tcaaactctg cacaagtga acagaacctta 180  
 ggtgtcacta tacttgcttc aagatttgct gcaaacacaa ggagaggggt tcagaagatt 240  
 aaggatgtag agttgccccaa gtttcaaaag c 271

<210> 27664

<211> 251

<212> DNA

<213> Glycine max

<223> Clone ID: 700889154H1

<400> 27664

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 gttcctcccc ctgggatgga aatgtctcaa ctttattgtg gaggggtgtag gacattgcta 120  
 atgtacacac gtggagctac aagtgtgaga tgttctgct gtcacactgt aaaccttggt 180  
 ccaccagcat ctaatcaagt agtcatgtc cattgtggga actgccggac aacatcatgt 240  
 atccttatgg a 251

<210> 27665  
 <211> 273  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700889162H1

<400> 27665

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 aaaaagtatc tcttgaactc ggtggcaatg caccttgcat agtttttgat gatgctgacc 120  
 tggatgttgc agtaaaagga actcttgagc caaagttccg taacagtgga caaacatgtg 180  
 tttgtgcaaa tagaattatt gtgcaagaag gtatatatga gaagtttgca aatgctttac 240  
 gtgatgctgt tcagaatatg aaagttgggg atg 273

<210> 27666  
 <211> 263  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700889189H1

<400> 27666

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 tgcttggtcc tgtttctgag tcaactgata attttcaatt ggacttgga agtggctttg 120  
 tgacagacac aaagatggca atgcctcact ctttaaaaag cacatctgcc ggttctgaca 180  
 tcagcaaacc atctccaatt gagtccccat tgtcccgaga aaagaatagc tgttctaadc 240  
 ggtttccaag tatctcccag gcc 263

<210> 27667  
 <211> 242  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700889210H1

<400> 27667

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 tgctgcccta aggacaaggc tatcaagagg tttctggtga ggaacattgt tgaacaggct 120

gcagtcagag atgtgcagga ggcttgtgtc tacgaacaat acacgcttcc gaagctgtat 180  
 gtgaagatgc agtattgtgt ttctgtgtct atccactctc atgttgtgag ggttcgatcc 240  
 cg 242

<210> 27668  
 <211> 249  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700889217H1  
 <400> 27668

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 atctagatct cgttcttctt tgatctacgt tacgctttta gtgaccggat ctgtatggat 120  
 ctgaaccaga tctacacgcc gatgggtggt ttggcctggt ctttcataga tctgatgcat 180  
 ggaggctcag atctactgta cagaggtgtg cgattcatgt tcgtctctct tttggaatct 240  
 gtttcgtag 249

<210> 27669  
 <211> 243  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700889221H1  
 <400> 27669

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 tctagccttc acaatacttg tcagcgcagt ctactaggt ggagttggca ttgtagcaat 120  
 ggtcaaaaag attgaaaatc acgagtatat gggatttgat gacctctgca catatgattc 180  
 atagcccatt tcactaaatt attttatgct ttgttttgtc tcaagttccc aataaaggag 240  
 cca 243

<210> 27670  
 <211> 238  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <223> Clone ID: 700889233H1

<400> 27670

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 cactttgacc agggattgga gcccaatgag tatatgtcct cctcatggaa ggggtgtcatc 120  
 ntcagangca aatgctttta atcacgaggc aagtcatttc cttattggaa gcagttctag 180  
 taatgtcctc gtagatgttg gaggttttca taatgaattt ggaatagtag aaatccta 238

<210> 27671

<211> 238

<212> DNA

<213> Glycine max

<223> Clone ID: 700889239H1

<400> 27671

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 taaccctttt aaggctttcc ctaacttgag gctgtgctca tttgctgaga gttttgctgc 120  
 aaggacttga cacaaattgt gtaaattgtc gtggctttta ccaacctctc ttgggtggtg 180  
 tggagtggaa agcatcaaga gcccaagaatc ccaaatgggc cttctataaa ttcttcgg 238

<210> 27672

<211> 241

<212> DNA

<213> Glycine max

<223> Clone ID: 700889283H1

<400> 27672

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 atctcttcgt tttgcctctc tgctttctga gaacccttct aaatggccca agagtatagt 120  
 tgatgttggg tgtggcatag ggggcagctc cagatacctg gccaaagaaat ttggagcaac 180  
 gagcgtaggc attactctga gtctgttca agctcaaaga gcaaattctc ttgctgctgc 240  
 t 241

<210> 27673

<211> 240

<212> DNA

<213> Glycine max

<223> Clone ID: 700889293H1

<400> 27673

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 tcctcttccc aaagcctcaa aattggcata gttggattcg gcaactttgg ccagtttctg 120  
 gccaaagaaa tgataaaaaca aggccacact ctcaacagcaa cttctcgatc tgattactct 180  
 gaactttgtc tccaaatggg catccatttt ttcagggatg tcagcgcatt ccttaccgca 240

<210> 27674

<211> 245

<212> DNA

<213> Glycine max

<223> Clone ID: 700889392H1

<400> 27674

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 ggctgtctcca aaaggagcac agcctgaacg cccaccacgc ccaccacgtt cctttagttc 120  
 tggtttaaga gtctatgttg gcaacttgcc atgggaagtt gacgatgtc ggctggagca 180  
 aattttcagt gaacatggta aggttgagga tgctcgggtg gtctatgaca gagagactgg 240  
 tcgat 245

<210> 27675

<211> 242

<212> DNA

<213> Glycine max

<223> Clone ID: 700889415H1

<400> 27675

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 tccctcaacg cccacagat cttcaatttg attgcttggg tcaacaattt ctgtcattct 120  
 caatcatggc aactagactt cagtttgaaa ataattgtga agttggagtc ttctctaaac 180  
 tcaccaatgc ttactgtttg gttgcgattg gaggttctga aagcttctac agtgtatttg 240  
 aa 242

<210> 27676  
 <211> 113  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700889424H1

<400> 27676

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 ngccaaagac ccatgaanca atgggccaat gggccaacga ntccttgctt cct 113

<210> 27677  
 <211> 244  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700889425H1

<400> 27677

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 aggactcagg agtccctcca atgtgcatga aactccgttc tttccttcgc cacttacccc 180  
 ggtttgtgtg atgggtcacg gggcagagaa gatggaggct tcgaggcagg aggtagaaga 240  
 tgca 244

<210> 27678  
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 <212> DNA  
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<223> Clone ID: 700889426H1

<400> 27678

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 ccggcccatt ggttcctggt tctgtctggg caaaaggcag gaaggaagtt gatgatgtac 180  
 ctctgttttc aaacagagtg aacctatcaa aactatctgg gctagtggca tctaggactt 240  
 tgc 243

<210> 27679  
 <211> 242  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700889428H1

<400> 27679

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 tccacatcct tcaacaaagt ttccggcgtc tgttcgagca tgtgaatcat aggaagagga 180  
 ggcgaatttg gtaatttggt gtgtgttcga aatgggtgaa atttggtggt cccttttggg 240  
 gg 242

<210> 27680  
 <211> 240  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700889430H1

<400> 27680

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 ttccatgaac atcatgagaa aaaggaagca aaggagcaag atgaggaagc tcatggaaag 180  
 aagcaccacc atctcttttg ctgaagcata agcaaccaat tatgagcata ttcctttctac 240

<210> 27681  
 <211> 245  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700889441H1

<400> 27681

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 agcaccatgg aaactgagtt tgaggacttg ctgccagtga tggcagagaa gcttgatgtg 180

gagtcctttg tctctgaact gtgtggaggt ttcaagcttc tatcggaccc ggaaactggt 240  
 ttgat 245

<210> 27682  
 <211> 241  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700889443H1  
 <400> 27682

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 cattagagaa gttgatcaag ataatgatgg aaggattgat tatggtgaat ttgctgccat 180  
 gatgcaaaaa ggcaacgctg gaattggtag gagaactatg cgcaacagtc tgaatttaag 240  
 c 241

<210> 27683  
 <211> 157  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700889455H1  
 <400> 27683

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 cttggcctct cgtttaaaca attgacttga tcccccc 157

<210> 27684  
 <211> 239  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700889457H1  
 <400> 27684

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 gctgttctct gggttgaaga gtatttgtgc cggttgaaga aaactctggt gggtgtctca 120

catgataggg attttctcaa tacagtgtgt actgagatta ttcatctcca tgatttgaaa 180  
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<210> 27685  
 <211> 245  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700889467H1

<400> 27685

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 gctttgcgtg aagccatttc aggaatcatg gccgattcca aggagaagaa tcgcaaattt 120  
 gtggagacca tcgaactcca aatcgggttg aaaaactacg atccacagaa ggacaagcgt 180  
 ttcagtggct ctgtcaagct gcccacatc cctcgcccca agatgaaaat ttgcatgctt 240  
 ggtga 245

<210> 27686  
 <211> 244  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700889471H1

<400> 27686

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 gccgactcct ccgccgtcc atcgcaccag ttgtcgcaga gggagacgga catccagatg 120  
 atgctcgccg ccgacgttca cctcggcacc aaaaactgcg actttcagat ggaacgctac 180  
 gtcttcaagc gcagaaccga tggatatttac ataattaacc ttggcaagac atgggagaag 240  
 ctcc 244

<210> 27687  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700889474H1

<400> 27687

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 tgaacggcca tggccatggc tccagccttc tctggaaacc cagttcggcg gtgactcaga 120  
 cccactgggc cccgccgagt ttgctgcctc aaatcaatgc gatgaagacg atgcagggaa 180  
 aagtgggtgtg ctccacgaac gacaagacgg tggcagtgga ggtgggtgcgg ctggccc 237

<210> 27688  
 <211> 236  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700889479H1  
 <400> 27688

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 ttacttttga gacatacatt tcccagtttc atatttggtt aaggtctaca tgccaaacgg 120  
 acagcccaag tggcttcttt ctcttatccc ggagtatcct atgctcaact tcatgctaac 180  
 aactgctata tacgtctttg tatctcatcg actttttgaa ttaacaaata cactca 236

<210> 27689  
 <211> 253  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700889508H1  
 <400> 27689

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 taacttcttt gtttcagatt atattccttt catgggttgg attgataaac tcaggggact 180  
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 <223> Clone ID: 700889515H1



<211> 246  
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<223> Clone ID: 700889595H1

<400> 27693

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 gagtacatgg tcgattattc ccagaccaac aaacaggctg ggcggttgga gaatgttggtg 180  
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<223> Clone ID: 700889601H1

<400> 27694

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 ctggacatag ggatttcatt aagaatatga ttactgggac atcccaagct gactgtgctg 180  
 ttcttatcat tgattcgacc actgggtggtt ttgaagctgg tatttccaag gatggacaga 240  
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<223> Clone ID: 700889620H1

<400> 27695

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 aagagttggt tcaaattgcac tcatggaggg tgtgttatta gtccctccaa ctacattgca 180

cacgagggca aactctactg caagcaccac cacgtccaac tgatcaagga gaagggtaat 240  
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 <213> Glycine max

<223> Clone ID: 700889622H1

<400> 27696

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 atcctggagt acaagtgaag ttcaaagtct taagagtaat ggtttgggat actgtagtgtg 180  
 aatgagatca aaacttaact catatcccat accctctttt ctgttatata tttatggcaa 240  
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 <212> DNA  
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<223> Clone ID: 700889810H1

<400> 27697

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 tagcgcttaa ggctcttttc atgatggctt atggctgctg acattgcttg gtgcctctat 180  
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<210> 27698  
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<223> Clone ID: 700889811H1

<400> 27698

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 cgctcttttc tcttcccttc aagcaagggt cagtccattc ctgggtttac tttttttatt 180  
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<223> Clone ID: 700889825H1

<400> 27699

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 ccacgccccg ccaacttctc cgtgtttggg ctgggccgcg attctctcat gtggggcagc 180  
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<223> Clone ID: 700889831H1

<400> 27700

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 aaccagatcg gagcgaagtt ctgggaggtg gtgtgcgcgg agacgggatc gattccacgg 180  
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<210> 27701  
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<223> Clone ID: 700889842H1

<400> 27701

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 ggttgatctc ttctcaact caatcccctc tttcaagaag cgtgcagaga gtgatacttc 180  
 tgttcctgat gctgcagcta aagctgaaaa atttgctcaa agatatgc 228

<210> 27702  
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 <223> Clone ID: 700889844H1  
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 caaacaggca aaccctcctg atcccagggc atttccattt attttacttg gaaacaagat 180  
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<210> 27703  
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 <223> Clone ID: 700889845H1  
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 ccgacgacgt cgtcagagct tctcgtcttc tcgacaacga gattcgcac ctaaagaag 180  
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<210> 27704  
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 <223> Clone ID: 700889849H1  
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 aagctgaagg tggatctgtt gaaccatcca gaatacatag aacaaaatgc caccttagcc 180  
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<210> 27705  
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<223> Clone ID: 700889857H1

<400> 27705

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 tcgatttgat gaggcgattt tctcttacca gaaggcacta actgtgttta agtctgccaa 180  
 gggtgagaac cacccttctg ttgcatctgt ttttgtgcgg ctggct 226

<210> 27706  
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<223> Clone ID: 700889860H1

<400> 27706

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 cctagcctcg ctatagatgg gaatgctcca gctacacttc ctttgccatt ggcggctctt 180  
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<223> Clone ID: 700889871H1

<400> 27707

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aaggatgagt tgcaagccag ggttgctcag ttaaagaagg agctgtctca gacagactca 180  
gtatatgata ctgagaaact ggctgagagg atagctaaac tgtct 225

<210> 27708  
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<223> Clone ID: 700889872H1  
<400> 27708

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gttaaagtta atcaagtcag agattctgac aactgcatgc ctgctgcac tatggggcac 180  
tcctatagta gggaagataa tagtacaatt tcagtaggtg ctgg 224

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<213> Glycine max  
<223> Clone ID: 700889873H1  
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<210> 27710  
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<213> Glycine max  
<223> Clone ID: 700889876H1  
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acagaacata gcttgtgttg gtgaggtgag aagataaaga aagaatggca tttgcaggac 120  
 aacacagaag tgtatggcct gtgacaaaac cgtttatctg gttgataagt tgaccgcgga 180  
 taaccgagtt ttccacaaag cttggcttca gatgccatca ctgcaa 226

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<223> Clone ID: 700889877H1

<400> 27711

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<210> 27712  
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<223> Clone ID: 700889889H1

<400> 27712

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<223> Clone ID: 700889891H1

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gaaccaaagt gctgctccga atccaccttt cttcgcgctg agattctcac gcgcagtctc 180  
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<223> Clone ID: 700889892H1

<400> 27714

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ataccaaatt gccaatctcg gaacaatcaa tgggcagatg ttattgctcg tgttgtaaaa 180  
aattaccaca atgttgactg ggagtgcctc ttgcctttgc tt 222

<210> 27715  
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<223> Clone ID: 700889896H1

<400> 27715

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<213> Glycine max

<223> Clone ID: 700889901H1

<400> 27716

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gtttcattgc accattcttg gctgagctgg ctaagaagtt cacaagtgtc atattcctaa 240  
ag 242

<210> 27717  
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<212> DNA  
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<223> Clone ID: 700889912H1  
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tggaatcatt tgtcaaatgg ctagatgggg aactatcttc attggtggat gaaaggctcag 180  
tgctaaaaca ttttctctca tggccagaac aaaaagtaga tgcactcagg gaagc 235

<210> 27718  
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<212> DNA  
<213> Glycine max  
<223> Clone ID: 700889914H1  
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attgggagtg cagcagttgc aacaacagga actacgcctt cagatcattc tgcaacagat 180  
gcaagcaacc ccgcctctc gtcgattcca aaacccccgc tgattccaag tggctc 236

<210> 27719  
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<212> DNA  
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<223> Clone ID: 700889915H1  
<400> 27719

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<223> Clone ID: 700889916H1

<400> 27720

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 caagagggac ttgtcactca tctttgacac tggcagtgat ctacttgga ctcaagtgtga 180  
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<210> 27721  
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<223> Clone ID: 700889923H1

<400> 27721

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 tgaagggagt tcaatacaaa tatgtcgaag aaaatttgag gaacaagagt gaactgcttc 180  
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 <213> Glycine max

<223> Clone ID: 700889926H1

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 tttttgtgca tgatgtggat aggaaagtgg aggacatggt ctctaaggct tttctctgtg 180  
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 <223> Clone ID: 700889940H1  
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 aaaggaattg atcccccatc tctggacctg cttgcaaggg aaggaataat tgctcttcgg 180  
 agagcaaaga ggagaaacat ggaaagattg gttttggcct gtggagggg 229

<210> 27726  
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 <212> DNA  
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 <223> Clone ID: 700889942H1  
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 actaaagacg ggtacaaaga agaaatactt aatactacaa gaaaagcaca aggtggagga 180  
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<210> 27727  
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 <212> DNA  
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 <223> Clone ID: 700889944H1  
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 gattaagaga cagccatcgg gaaagtggat agtggaccgc ctccgaaaag atcataacca 180  
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 <223> Clone ID: 700889952H1  
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aatatctccg ttggcgagag tggagatcgt ctcaccagag ccgctaaggt tttggaacag 180  
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gcatgcaact tcaagtgggt ttaagagtaa ctcgtctttc actaggaaag tttcagctaa 180  
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<210> 27731  
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<223> Clone ID: 700889960H1  
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<223> Clone ID: 700889963H1  
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cgaaggcgcg tgtctacaca gatgtcaatg tccttcgccc taaagagtat tgggattacg 180  
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aaacagtcaa ttatctgaac aggaaagatg tgcagtcagc tatgcatgca catcttggtg 180  
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 gaaaaaggaa cataagatgt ctcagaacgg gaagctgatg ccaaattctag accagcatag 120  
 caccaagctt ctcaatctca ctgttcttca acgaatcgac ccttttgtcg aggaaattct 180  
 catcaccgct gcgcatgtca ccttctacga gttcaacatc gacct 225

<210> 27735  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700889972H1

<400> 27735

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 ggagcttccc agagactaac tctgcataag gttgacctcc ttcattctga ctccgttaga 180  
 tctgttatta acggctgtca tgggtgtctt cacactgctt ctccc 225

<210> 27736  
 <211> 233  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700889980H1

<400> 27736

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 atctaaagtt cacggatgtg acctacaaga tagtgatcaa ggggatgaca acaactgagg 180  
 agaaggatat cttgaatggg atcactggtt ctgtaaactc aggggaagtt ttg 233

<210> 27737  
 <211> 229  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700889982H1

<400> 27737

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 gaagttttga gggattcatt tgttggcaac tcccgcaccg ttatgatttc atgcatatca 120  
 ccaagcactg gttcatgtga acatactctg aatacattaa gatatgctga cagggtaaaa 180  
 agcctatcga aagggaacaa ttcaaagaag gatgttttat cgtcaaatt 229

<210> 27738  
 <211> 226  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700889984H1

<400> 27738

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 ggggggtttgc tggggaagtt gtgtgaaaag caaggaattc cctatgaata tggaaaagga 120  
 cgcctggagg accgatcatc acttgtggct gatattcaga atgtgaagcc aacacacatt 180  
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<210> 27739  
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 <213> Glycine max

<223> Clone ID: 700889986H1

<400> 27739

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 gggagcagat tcagtttcag tcttcattt actctcatca tcagccttgg tggcgaggag 180  
 tgggggaaaa tgctccaaa tcattctcag atgatcagtt aa 222

<210> 27740  
 <211> 221  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700889989H1

<400> 27740



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 ggctgccgag agcacctctc tgcatacaaa gccgctcagg acattgcaaa tgccgaactg 120  
 cctccaactc atccaattag gcttggcctt gcaacttaact tctctgtatt ttactacgaa 180  
 atccttaact ctcccgatcg tgcttgcaac cttgcaaaac aggcttttga tgaagctatt 240  
 gctgaat 247

<210> 27744  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700890004H1

<400> 27744

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 aaagaacgag tggggcaaca caacctatcc tctggctcct gggcacgaga ttgctgggtg 120  
 ggtaacagaa gttggaagca aggtgcaaaa gttcaaagtt ggagaccggg taggtgtggg 180  
 gtgcatgatt ggatcctgtc gttcatgtga aagctgtgat gaaaatcttg agaattactg 240  
 c 241

<210> 27745  
 <211> 239  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700890005H1

<400> 27745

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 aattggggat cagtgtctta atcgtggagt gaaaaaattc acacagcaat tgagcagctt 180  
 ctctgggtgct gaaggatatt gtgtcgaggt tggaaatgga tcatgggatt catgggttg 239

<210> 27746  
 <211> 240  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700890009H1

<400> 27746

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 catccctccc cctcccaccg ggcctaaac catggcccat agtgggaaac ttgccacaca 180  
 tgggcccgtt gccgcaccac tcctcgcgg cgttggcccg catccacggc ccgttgatgc 240

<210> 27747

<211> 239

<212> DNA

<213> Glycine max

<223> Clone ID: 700890010H1

<400> 27747

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 tgccacgttg aaggaaatgg tacagatgaa ctacataaac acctgatggg agaaatcagg 120  
 tcagctagtg acctaaacaa gatagagtca gtcttcccc tgccaatttc aaacttcttc 180  
 caagtgaagg gcttatcaaa aggcagacac cttctaaagc ttcaatctgg tctccatc 239

<210> 27748

<211> 239

<212> DNA

<213> Glycine max

<223> Clone ID: 700890011H1

<400> 27748

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 ccagatggct tcaaaaactt gttcctccct tgcccttttc ctacactca acctcgtttt 120  
 ctctcactt gtctctgcat gcggttatac accatgccct ggtccaaacc caaagccaag 180  
 gccaacccc aaccctaacc ctaaccccag cccaagtggc tcgtgcccc gtgacgcac 239

<210> 27749

<211> 238

<212> DNA

<213> Glycine max

<223> Clone ID: 700890012H1

<400> 27749

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cctaaagcta agttacctgt gaagactact ttgaagggtga ctgtatatat gggggaagga 120  
tggtactatg atttcaagca tacacacttt gatcaatatt cacctccaga cttctacaca 180  
agagtgggga ttgctggagt ccctaattgat actataatga agagaactaa ggcaatag 238

<210> 27750

<211> 240

<212> DNA

<213> Glycine max

<223> Clone ID: 700890019H1

<400> 27750

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aattagccat gagcaccaag gagtgctgcc accacgacga ggagcggcgt cagtcccccg 120  
ccgcgtattc gccgcgatcc tcggcttcat cctcctcatc ctcttggtga tcttctcat 180  
ctggatcatc ctccgccccca ccaaaccggt cttcatctc caagacgcca ccgtctacgc 240

<210> 27751

<211> 237

<212> DNA

<213> Glycine max

<223> Clone ID: 700890021H1

<400> 27751

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gaggcacact tctctggcat gcacacatca cgtggctaag agccacggtg tatgggtggca 120  
ttgtcatatt gcctaaacga ggcatttctt atccatttcc taaacctgac aaagaaaaga 180  
taatcattct aggtgagtgg tggaaatcag atgttgaagc aattctcaat caggctg 237

<210> 27752

<211> 237

<212> DNA

<213> Glycine max

<223> Clone ID: 700890022H1

<400> 27752

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 aacaaaggac aagattcaac aagccaatta ctttgggtcg ctgaccagg catcagctat 180  
 cagagtgggg tctttccaag gggaagaaat atatgctcca ttcaagagcc tgcttcc 237

<210> 27753

<211> 239

<212> DNA

<213> Glycine max

<223> Clone ID: 700890024H1

<400> 27753

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 aagtatgaga gctctgaggt tgagggtccag gatcggtggtg tttttgactt tctcggtaag 120  
 aaaaaggatg aagaagacaa gcctcatcct caggaggagg tcatcgccac cgagtttcaa 180  
 aaagtcactg tctcagacca aggagagaac aagcacagcc tcttagaaaa gcttcaccg 239

<210> 27754

<211> 238

<212> DNA

<213> Glycine max

<223> Clone ID: 700890027H1

<400> 27754

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 ggcggcgagg aaatggatct cggcgaagac gaggtcggcg aggagaggga gatcggctct 120  
 ggcggcctca agaagaagct cctcaaggaa ggtcaaggct gggaaacccc cgaagtcggt 180  
 gacgaagtcc aagttcatta cacgggggact ttgctcgacg ggactaagtt cgattcga 238

<210> 27755

<211> 237

<212> DNA

<213> Glycine max

<223> Clone ID: 700890028H1

<400> 27755

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tcacttatgt tataagtata aatgctttgg cttaaccaa gttcattagt tgaaaaagga 120  
aaaagaatgt agcttgctga gttttgcaac aattaaccaa ttgtgtcaag ctaaagttat 180  
attgttccta acttccaagc ttcgatgatt tttcttggtt ggttgacttg gtaaaca 237

<210> 27756

<211> 237

<212> DNA

<213> Glycine max

<223> Clone ID: 700890029H1

<400> 27756

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cacggaaaaa gtcatcatat tgagtgaatg gtggaaatca gatactgaag ctgtaataaa 120  
tgaagctttg aaatctgggt cggtccaaa tgtctctgat gtcacacaa tcaatgggtca 180  
tcctggatct gttcaaaatt gtgcatcaca aggggggatac aaactccaag ttcaacc 237

<210> 27757

<211> 240

<212> DNA

<213> Glycine max

<223> Clone ID: 700890034H1

<400> 27757

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ctctcacatc tcttcgtcct ctctctcaca tcacaatttc ataaaaaacc tctttttaag 120  
tttcttgctt ctttctctct gaaagaaaat tgaagtccta accagttggc tcttttgttt 180  
tatcgttctc catggctcag aaaaccgaga aagaagaaac cgacttcaaa gttccggaaa 240

<210> 27758

<211> 237

<212> DNA

<213> Glycine max

<223> Clone ID: 700890039H1

<400> 27758

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cagaagaatt taattcttct aggcttaagg aaaaagaaaa ataacaaatt tatgaaaaaa 120  
gaaatatttg ttatcgaacc agttcgctg tctagaaaaa acaataaaca attttttatg 180  
tatcaaacca taggtctttc attaattcaa aagaataaac gaaaaattta tcacaaa 237

<210> 27759

<211> 236

<212> DNA

<213> Glycine max

<223> Clone ID: 700890041H1

<400> 27759

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ttgcctccca cctaaggaag tttttagttg atcgcggtgt aattccaatt tttgaaatga 120  
atatgcaaac agctaatacc caccatgcgg agcacatgcc accccaccaa tcttgggggc 180  
cacctcaggg tcttcctcca aatgttggtg gaggttctgg ttttggaact ccttct 236

<210> 27760

<211> 235

<212> DNA

<213> Glycine max

<223> Clone ID: 700890045H1

<400> 27760

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ctacgaaatt ccagccaaga cattattata tgtgaatgct tgggcaattc atagagatcc 120  
taaggcttgg aaagatccag aagagtttat acctgagagg tttttaaat gcgacataga 180  
tctttatgga caagattttg agtttattcc attcggtgct ggtcgtagat tgtgc 235

<210> 27761

<211> 236

<212> DNA

<213> Glycine max

<223> Clone ID: 700890046H1

<400> 27761

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gtacatcact tcaagcacct tcttcaaatt cacttggtgc atcagcaatt acatttcaaa 120  
attctgtaga taagaaaaat tacatacgaa taaaggttgt gaacttcggt accactgccg 180  
tgaacctcaa aatctctctt gatggactgg aaccaaactc attgcagtta tctggg 236

<210> 27762

<211> 237

<212> DNA

<213> Glycine max

<223> Clone ID: 700890048H1

<400> 27762

ggatctctta tagtaagctt caaaggaaag gacctaacac gcattgaatc agctataaaa 60  
gcattacaca agaagtttca acccagtgc ttcggtgaga tgaactagga tgatgttcta 120  
aatgctatgg tccatttctt ttggatgcc aacagaatgaa aacctttcat ggctgggatc 180  
atatcattct catattatct acaaataata gatgcattgg gataaagatg gagaggg 237

<210> 27763

<211> 239

<212> DNA

<213> Glycine max

<223> Clone ID: 700890049H1

<400> 27763

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tcaattcaac tggtaactc tgccattcat cttctgctaa tggaacgaac tactgaaaaa 120  
acattcagga tcttccagtc ccaggagcac gagcttggtta acaagtacaa ttatgttggt 180  
agcctttgga aaagggtatc aactgtcact ggagaattgc actatggtga tgcattgag 239

<210> 27764

<211> 234

<212> DNA

<213> Glycine max

<223> Clone ID: 700890056H1

<400> 27764

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tctctcacct gaaaatgtct tgctgcggtg gtaactgtgg ttgcggaagc tcttgaagt 120  
gcggcaacgg ctgcggaggc tgcaagatgt acccagactt gagctacact gagtcaacca 180  
ccaccgagac cttggtcatg ggagtggcac ctgttaaggc tcaatttgag ggtg 234

<210> 27765

<211> 234

<212> DNA

<213> Glycine max

<223> Clone ID: 700890061H1

<400> 27765

tatcactgtg ttgcgagcag tgatcgattc tgcgaaactgc gattcgcatt gccaatattca 60  
acagcgtgcg ttcgtacgtc ggagatggag tcgctaccga cgacgaagcg aggaggagcg 120  
agatcgaagc ccgttcagac ctcgaaatcg tcctctgtca tggccttctt ctctgcgtc 180  
gcgtggctct acgtcgctgg aaggttatgg caagacgcag agaatcggaa ttg 234

<210> 27766

<211> 239

<212> DNA

<213> Glycine max

<223> Clone ID: 700890065H1

<400> 27766

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gaggaggcaa tgggcaaaag gcaaagatgg cagcgagaa gaacctcgag aagcagaagg 120  
ccgcctcaaa gggaagccag ctggattcaa acaagaaagc aatgtcgatt cagtgaagg 180  
tgtgcatgca aacatttatg tgcaccacat cggaagtga gtgtagggag catgctgaa 239

<210> 27767

<211> 233

<212> DNA

<213> Glycine max

<223> Clone ID: 700890070H1

<400> 27767

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 ttctgtcaaa agcaaagaca cctccgatag aaactgaaaa gccaaaggaca gagagtgcga 180  
 tttcaactgt gggttctctt cccacccaa ctagtacag atttattgct tat 233

<210> 27768

<211> 233

<212> DNA

<213> Glycine max

<223> Clone ID: 700890073H1

<400> 27768

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 aagcttgtgt gtgtacgaag gggttttcat cttttttatt ttactttatt ttggttaatt 180  
 cacatgcttt ctttctagga cttttagaat gagggttttc tatgggaatc att 233

<210> 27769

<211> 232

<212> DNA

<213> Glycine max

<223> Clone ID: 700890074H1

<400> 27769

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 tatgatgaat atgttccaat ggtagacata cctgttgatg ctggttgga gaagcaagca 120  
 tctctacaga ggtcttacac ctctaaagga gcacctctc ctgacactca gaaaactcct 180  
 gaagggattc aagctcggat gtgggtagca ctgtctatct tcttcttgac tg 232

<210> 27770

<211> 232

<212> DNA

<213> Glycine max

<223> Clone ID: 700890084H1

<400> 27770

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aagaatgtat acctgcttct gtaaacaaca gaaaaactgg gatttctaata atgattgaca 120  
tggagaggag gaaagagact ggcactgtgg gttgttcatt tggagaaaac agagaatcaa 180  
atcatgctga tagtattaca tgctcagttg gtagttgtag tatcactagc ag 232

<210> 27771

<211> 231

<212> DNA

<213> Glycine max

<223> Clone ID: 700890091H1

<400> 27771

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cttctccaga gtgatgctct ttaccagtat attctggaga caagtgtcta cccaagagaa 180  
cctgaatcca tgaaagaact gagagagttg acagcaaac acccatggaa c 231

<210> 27772

<211> 263

<212> DNA

<213> Glycine max

<223> Clone ID: 700890110H1

<400> 27772

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catcttatga catcccttgt aataattata gcttctagtt tgaccgcaca ctgtggctgt 120  
gccaaagagag ggggtgaaag accatacaaa gaagccaaca cactgttcat aagaacatct 180  
tgcagctcca caacatatcc aagactctgc tacagctcct tagtgaagca tgcagacttg 240  
atccaaacaa atcgtgtggg tct 263

<210> 27773

<211> 260

<212> DNA

<213> Glycine max  
 <223> Clone ID: 700890111H1  
 <400> 27773

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 gatgccaaagt gacaagaccg ttggtggagg tgatgatgct ttcaacacct tcttcagtga 120  
 aactggggca ggaaagcacg tgccccgtgc gatttttgta gatcttgagc ccactgtgat 180  
 tgatgagggtt aggactggga cataccgcca actattccat cctgagcagc tcattagtgg 240  
 aaaggaggat gcagcaaaca 260

<210> 27774  
 <211> 262  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700890122H1  
 <400> 27774

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 tgatacaagt atttactgtg gtcataaata taccttgaac aattcaaagt ttgccttgtc 120  
 tatagaacct gaaaacaagg aacttcaatc ctatgctacc catgtatcta accttagaaa 180  
 taaaggcttg cccacggtaa ttttcagaac ttggcttctt taatggatgg tttcaagtgc 240  
 cctctgtagg ggctcttcct tc 262

<210> 27775  
 <211> 257  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700890127H1  
 <400> 27775

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 ctacttgctg agtttgtggc gatgagattg gatacaagga aaatggggag ctgtttgtgg 180  
 cttgtcatgt gtgtggattt cctgtttgcc gaccgtgtta tgagtatgag aggagtgaag 240



gatgggaatg gtggtgtgat catagactct ggcaccacaa tcacctacgt tcaacaaaag 120  
gcctatgagg cactcaaaaa agagttcatt tctcaaacca aacttgcttt ggacaaaact 180  
agctcaacag ggttggatct ttgtttctcc ttgccatcag ggtcaacaca agtggagatt 240  
ccaaagcttg ttttccatt 259

<210> 27779  
<211> 258  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700890141H1  
<400> 27779

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gcactcgttt tcggttccga ttgcattgaa tcaaattctga gaaccattct cattgcccgt 120  
ctgtaatcat gtcaggaaaag tatatcattt ctgctattct tggatcattt ggagttgcat 180  
gggtttgtga ttattatggt tcagagaaaa agctatttgg aggttctacc cctggcacta 240  
ttacgaacaa tgagtggg 258

<210> 27780  
<211> 258  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700890142H1  
<400> 27780

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tgaaagaatg aagcttctcc aagatcttgt cccaggttgc aacaaggta cgggttaaagc 120  
actaatgctt gatgaaatta taaactatgt tcagtcattg cagcgccaag ttgagtttct 180  
gtctatgaag ttggcttctg ttaacaccag gctggatttt agtattgaga gtctaattct 240  
aaaagatata tttcaatc 258

<210> 27781  
<211> 256  
<212> DNA  
<213> Glycine max

002220"ETFE560

<223> Clone ID: 700890143H1

<400> 27781

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ttctcgtcct tcaccatcat tgcgcatgca attgttcttc aaaacgaaac cttcaaattt 120  
gagaactcag gtgaacttgg accctacatc gttgagtacg gtgcagatta cagaatgata 180  
agcatcttca actctccatt ccaagttggt ttctacaaca ccaccccaaa tgccttcact 240  
ctagctttgc gtgtag 256

<210> 27782

<211> 257

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700890148H1

<400> 27782

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ctacagcatc attggagctt ataagaaatt ccttgatgag aactgacgtg gacaagagtt 180  
cctttgttcc accaacctct attgaccaag ctgacgagat gattagacgg gagcttctaa 240  
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<210> 27783

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<212> DNA

<213> Glycine max

<223> Clone ID: 700890150H1

<400> 27783

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cacaacaggt gcacaatctg gtgtatgcta tggaagagtt ggcaacaatc tgccatcgcc 180  
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aaaccatgaa gtcctc 256

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<223> Clone ID: 700890158H1

<400> 27784

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 accgccgaca tcctgtggcc gagtttgagg aagcgcttct cgaagccgct gctggacgat 180  
 gatttcgagg ctgggttcag agaattcaag gatgattcgg aaatcgagga tgttgatgac 240  
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<223> Clone ID: 700890160H1

<400> 27785

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 ttctgtacaa gagctagctt caagtgtcaa agctgttgta gagagacttg gattgtgtgg 180  
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<210> 27786  
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<223> Clone ID: 700890161H1

<400> 27786

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aaacacgaga actggtgaga aaagtaggca gcagatgggt gtaaagcaaa agagtggctt 180  
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 ctttggcaat tggacttcaa gactgtggcc tcgctaccgg gcagacaaag ggggatcaag 180  
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 ggccatttca ccagcacctg cagcagcacc aaaagccaca gcaaaaactc ctctacccc 180  
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 tcctga 246

<210> 27790

<211> 246

<212> DNA

<213> Glycine max

<223> Clone ID: 700890185H1

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 tcatatgtgc aaggggctta tggctctgta cttctttccc caggggttgt ccaatttccg 180  
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 gttggg 246

<210> 27791

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700890188H1

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 tcagtttcca gtggtgctga gaagggatca agctcaagt ctcaggaaaa gagtgggtgct 180  
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 tttcttg 247

<210> 27792  
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<223> Clone ID: 700890195H1

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 ttggagaatt gctgcaaaga ggaaccaaac tgtcatctgg caaaaacctc taacaaatga 180  
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 aga 243

<210> 27793  
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<223> Clone ID: 700890208H1

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 gaatctgtcg ttgcagttga agacagtgtg aaggaggaga aggaagtggg tcctgactca 180  
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<210> 27794  
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<223> Clone ID: 700890210H1

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 gaaggttaaa agaggacttt ggtctcctga ggaagatgaa aagctcatca gatacattac 180  
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<210> 27795  
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<223> Clone ID: 700890213H1

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 aattggggat cagtgtctta atcgtggagt gaaaaaattc acacagcaat tgagcagctt 180  
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<223> Clone ID: 700890227H1

<400> 27796

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 gaagcttgca gttccaattt ctgaccaaca gaaagagctg ttcaactttg tgatgagtca 180  
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<223> Clone ID: 700890229H1

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 ctgaaatcga agaactcctt tacagctcag tggagaatga agaacacata tgtgtgtgta 180  
 aggaccgcag caagccaatt atcttcacca tggcaagggt ggatcgagtg aagaacatc 239

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<223> Clone ID: 700890230H1

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 cggctttttg tttctcattt ggagtttgtc ttacttgagt tctataaata atatgtccct 180  
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<223> Clone ID: 700890240H1

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 tgccatacct tatggatatg gaggagctgg cagaacagtt ccacagcagc ctccacccca 180  
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<223> Clone ID: 700890247H1

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 cggcatgatt tggctagaat gtttgggatt gaagggcagc tagaagatcc tctaaggact 180  
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<223> Clone ID: 700890250H1

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 ttaacatgca gatgctcaaa taagtttcca ttcggagcat actcaaacac catcatcctt 180  
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<223> Clone ID: 700890257H1

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 ggggttgggg ttggacacac agggctctaat gtaaattctt ctgccttatc aaagaaaaga 180  
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<223> Clone ID: 700890263H1

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<223> Clone ID: 700890289H1

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 aacataacga tcaaattggga tgttgtgtca tggacaccag atggctatgt agccgtggta 180  
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<223> Clone ID: 700890330H1

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253

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<210> 27812  
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[illegible]

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agaatcagag ggaggcccca cggaattgcg agaagccatt gcaagtataa tttttgctgc 180
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gggtattgac ttctcacaac cattaccctgt gcccgttttg aagagctaaa catggattta		180
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<223> Clone ID: 700890441H1

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 gaatttc 247

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 gggaaagtga aggcattccc caaggatgac ccatccaagg cacccaagct cactgcattc 180  
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<223> Clone ID: 700890477H1

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 ccataactcg attcatcacc caatttgatg ccctccac tgctggattc ttcgtaaaag 180  
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<223> Clone ID: 700890493H1

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<223> Clone ID: 700890494H1

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cttatcaagt gtttgtcaag atgcctcgga aaagcaccgt atcttggact agcatgatca 180

tggcttttgc gaaacagggg ctcgggaagg aggcccttga tctgtttaag actatgctca 240  
gtgat 245

<210> 27826  
<211> 129  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700890594H1

<400> 27826

aagaaattta agtgaggagc tagagaatga tgatgaagtc tgctatgtgt gcagtgggtgg 60  
ttgtagcact tcttcttctg gcggaggtgg ggcccatggc tgaggctgtg acatgcaccc 120  
caacagagt 129

<210> 27827  
<211> 256  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<223> Clone ID: 700890624H1

<400> 27827

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gcctgaagat aaattgtata ttgctcagct atatttccca cttgttggac agganttaag 120  
tgaagaagct gccatgtgcc ttcttgcaca atttgatgga tagtcttaaa acggtggagg 180  
aatggacaat ctgtagagtc gtgggaggct cataaggcac cgggtccaaac tatcataaag 240  
ctggccctca agagag 256

<210> 27828  
<211> 249  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700890643H1

<400> 27828

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taatagcaag aaatcaatgt ttcaccaagt tatgtagcat gtatatctat cattaattga 120  
 taattttcttt tggactccaa tttcaggaaa tccctgtact tgccttacag tgcagccaac 180  
 acttgacaat caatattccc agtcaaagcc aagcttcagc tccacaaatc aaccagttt 240  
 ctcaaagcc 249

<210> 27829  
 <211> 247  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700890658H1

<400> 27829

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 gggcgaaagga tgcaaagatg gttcatatct tttagaaagc cctgggtgctg ataacacttc 120  
 tccaaagtgt ccaactcctg atacaaatga gggttatgaa atcaaggagg cattgagagc 180  
 acagatggaa gtgcaaagta aattacattt gcaagtggag gcggaaaagc acttgcagat 240  
 tcgccag 247

<210> 27830  
 <211> 245  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700890659H1

<400> 27830

gcctgacata gagaagaaga agagagagtg atggagtgcg tattcggatt ggtgggtaat 60  
 gggtttgca tegtgtggc tgattcatcg gcggtgcaca gcctcctcgt ccacaagtcc 120  
 aacgaggaca agatcatgct cctcgattcc cacaaactca ttgccgctag cggcgagccc 180  
 ggagacaggg ttcagttcac agagtacatt cagaagaacg tcgccttgta tcagttccgt 240  
 aacgg 245

<210> 27831  
 <211> 245  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700890679H1

<400> 27831

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 tgaacccgag gagattgatg atccagaggc aacaaaacca gaagattggg atgatgagga 180  
 ggatggtgaa tgggaagccc caaagattga gaacccaaaa tgtgaagcag ccccggttg 240  
 tgggtg 245

<210> 27832

<211> 250

<212> DNA

<213> Glycine max

<223> Clone ID: 700890709H1

<400> 27832

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 tgatggcact tccaccatgc acgtccctgc ctccaagtcc aagcatcatc accatgacct 180  
 ccacgacgac ctcggaatcg agattgatcc tgaactacgc tacagcttcc agcgcaattt 240  
 tcagtttctt 250

<210> 27833

<211> 246

<212> DNA

<213> Glycine max

<223> Clone ID: 700890711H1

<400> 27833

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 aattactttc ataactgttg gaaaatagga gctttttaga aaataaagag cattttttta 120  
 tcattgcttc tctttccttg atattttgta tagctagggt cactgcatct taggaagtat 180  
 tgataactta attgctctct tgtaaattgt agttggagat tgattatctt tgtaatactt 240  
 tgtgaa 246

<210> 27834  
<211> 247  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700890716H1

<400> 27834

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gaagagagaa tgatgatgaa gtctgctatg tgtgcattgg tgcttggtggc actgggtgtg 120  
gttgaagtgg ggcccatggc tgaggctgcg gtgacttgca acccaacaca gttgactcct 180  
tgtcttcctg caattaattc aggttctgca ccttcgagtg cttgttgcca gaagctgaag 240  
gagtaaa 247

<210> 27835  
<211> 248  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700890718H1

<400> 27835

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tagagttgca agcaactgat cctactgaga tgggtcttga tgtgttcaaa agccgtgcca 120  
actaaaatga ttatataaaa tagtaggctt tctggtggga gcagcaccac tgaagcctta 180  
gttactcata tggaaaatat cctagtttgt gggatgggtca acttgggtag ttatgggtccc 240  
aaactctc 248

<210> 27836  
<211> 246  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700890720H1

<400> 27836

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tcagttatta acggttgcca tgggtgtcttt cacactgctt ctcccgtcac cgataacccc 120

gaagaaatgg tggagccagc ggtgagtgga gctaagaatg tgatcatagc tgctgcagag 180  
 gctaaagtta gacgtgtggt gttcacctca tccattgggt ccgctctatat ggaccccagt 240  
 aggagc 246

<210> 27837  
 <211> 247  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700890723H1  
 <400> 27837

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 tttttgttcg tgtgacacag ctcatgtcaa ttcttgaaac tcagtattcg ggtgacaccg 120  
 ttattattgt gtcgccagat tctgacaaact tgacaatcct tcaggcaggt ttgataggac 180  
 tagaccttcg aagggtatggt tttaatcaaa agcttcaatt aagggttttaa ttttggttac 240  
 tagttca 247

<210> 27838  
 <211> 246  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700890725H1  
 <400> 27838

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 gcaacacaaa acaatggggt ctcttatggc aggatgggtat tctaccacaca tggatcctca 120  
 atcagccaca cttaaaagga accgctcact cactaaggat gaaattgatg cttactggaa 180  
 atcaaagaag aagatagagg aagaacacct tagagctatt tccaatgtgt cagagactat 240  
 tcaggc 246

<210> 27839  
 <211> 242  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700890727H1

<400> 27839

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taacaaaacc aaaatgatga ataggcaatc tgtcttgccc ttctcactag tactgctagt 120

ttcattttctg tattgcacct ccaccttagc ccaattatca ccagcttctg cccctctcaa 180

accaccccaa cctaccccta ccccaccagc tgcggctcct caacaaccat tgggttcctc 240

at 242

<210> 27840

<211> 248

<212> DNA

<213> Glycine max.

<223> Clone ID: 700890733H1

<400> 27840

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gaccaggcac ataaatcttg ctcagcatct atcaacattc acatcaaagc cttcatttct 120

tgggcaactt gatatggaac atacaattgt agaggcccag agttatgata tatgctttga 180

gtatatggaa gaactgatcc ataagcagga gcctttgaca acagtcttac gccttctaata 240

cctattttt 248

<210> 27841

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700890735H1

<400> 27841

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aaccaactca atgcacagct cctcactact aaatccggag gcatcaccat tcttgcccca 120

gatgacagtt ccttctctga actcaaagct ggcttctca actctctttc tgatggccaa 180

aagctcgagc tcttacagtt ccacgttatt tcagactacg tgtctagctc caactttgat 240

acactga 247

<210> 27842

<211> 246  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700890736H1

<400> 27842

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 tgtagtaaca attctagcaa tttttgagcc gataaaaaat ttgccctttt gtatttagta 120  
 tggtaaataa tgtccacata tcccggaccc attgagctgt atgaaattta tttgaaattg 180  
 tgatataatt caaaaacaaa tggattaggt gcatctagtt ccatcattgt tggaactgaa 240  
 ctattg 246

<210> 27843  
 <211> 246  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700890740H1

<400> 27843

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 aatttgaagc ttgtgttcac gatcagttcc attcttctag ccttggtggt tatcaatgga 120  
 atttcttcag ttatggggag gccactgaaa aaggagcaca tcataacaac aacctacgaa 180  
 aacagtgtca aagaaatggg cacagtggaa gacaacaata ttctcctgtg gcgccgaagc 240  
 atcata 246

<210> 27844  
 <211> 245  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700890741H1

<400> 27844

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 ctgcaagtta gctgggacaa gccaccaagg aaaacatttt actgtgaaga acaatgagga 120  
 agcttaagtt tcatgaaaag aagcttttga agaagggttaa ttttttggaa tggaagaggg 180

002260-ETTES60

aaggggggtca cagagagaac ct cattatgc aacgctacca tg ttactgga cgggacgatt 240  
acaaa 245

<210> 27845  
<211> 244  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700890750H1

<400> 27845

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gcaaccaggc cttttatggt gtacccggct tgatttggtc ctcatgtctt ttctttttct 120  
cttgacaggg gagcttatat aattgttact atgtgtggct ggtagggaca tagtagttgt 180  
tagcatgtac aggttttagga catatttggt tcccatgttt ccttattata tatagaagga 240  
tggg 244

<210> 27846  
<211> 145  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700890752H1

<400> 27846

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tgatcccgtt tttgtttcca ggtaaaaata tgtgactttg tccattctat tgcttgctta 120  
atgataatgt caatgtttcc agttt 145

<210> 27847  
<211> 244  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700890753H1

<400> 27847

gaagaatggt catccattga ggaatcgggtg gcgagcgtga tcgaagaagc caaggagggtt 60  
caagacgccg tttcctctca catctcaaag gcttcacgct atgaagaacc tctccgccaa 120

cgtgtccgtg ccgtcgattc cagaatccat tcgctacgtt cctctctcga ttctcttgtc 180  
 tccaccaaac aaatccctcc ctcttagcc gtttaagttag atgaagattt gcagagagcg 240  
 agat 244

<210> 27848  
 <211> 244  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700890754H1  
 <400> 27848

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 tttcaaatct ccctgcaat tgctcatcat catccttcta gttttttcat ttgttgcttc 120  
 ttctgctgct ctccaaacaa caagaaggct ttgccaac aaagaaaaac tctcaacca 180  
 gattacatct gataagggtg ttgaggaatt gagaaatgga gaagaaatgt tagatatggc 240  
 agaa 244

<210> 27849  
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 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700890755H1  
 <400> 27849

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 gcaacgagat tatacctctg taattcatgg taaatatgcc catgaggaaa ctgtagcaac 120  
 tgcttctttt gctggaaaat atataattgt gaagaatatg gcggaggctg aatatgtttg 180  
 cgactatatt cttggtggtg aattaaatgg atccagtcca accaaggaag catttttaga 240  
 gaaa 244

<210> 27850  
 <211> 242  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700890762H1

002220-CTT560

<400> 27850  
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aggcaagctc tatttgaggat caagtgaac atctatcttc ctgtccaagt tctttgaata 180  
aaagtctgaa tgtgtcatct ctgcactaca atatttgtga ttctgaccaa gttgggttcta 240  
tt 242

<210> 27851  
<211> 241  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700890763H1

<400> 27851  
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ccttaaagtt ggatatttaa ctgcacctcc tgtgggggca tcgattgcac ctcataatga 120  
ctggaaacga tcagaattcc ttttggatca tgaaaagctt cagcagatac ccagaggaga 180  
atataaacia gtaccacctc aaaatctctc aggagattg gtagatgcag tgagtggaga 240  
t 241

<210> 27852  
<211> 242  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700890767H1

<400> 27852  
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gttctcaatt ctcttcaccc tttgcctctg aaagaaatgg gtagtcttga agcggaaaga 120  
acaacagtag gattggcagc aagagacctc tcagggattc tctccccata cacctacaat 180  
ctaagaaaca caggccctga tgatgtttac attaaagttc actactgtgg aatttgccat 240  
tc 242

<210> 27853

<211> 241  
 <212> DNA  
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<223> Clone ID: 700890769H1

<400> 27853

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 gatgatacag gtgaagaaca tagcggacat gggggcgtac gtgtcgctgc tggagtacaa 180  
 caacatcgag ggcattgatct tgttctcggg gctctctcgc cgctcgattc ggagtgtgag 240  
 c 241

<210> 27854  
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 <212> DNA  
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<223> Clone ID: 700890770H1

<400> 27854

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 agtcaagggt gttcactatt gcgcacgggg tccaagccat ggagatatac ggggaaggaa 120  
 gagaatatgc agaggggagga cataaagatg ctggtgaaga aatgggtggga tatctacaat 180  
 gatgcttcgc ttgactacaa gccattgatg aatgcaagtg aagctccagc agcggatggt 240  
 g 241

<210> 27855  
 <211> 242  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700890771H1

<400> 27855

ggaccgaatc ctgcattgag gccaatcaac actgaagggt ctcaaaagggt cgggcagaag 60  
 aggggtagat tgaatattga ggaagaggat gattcacagc ccaaaaagaa ggttcgtttg 120  
 ggggttcctg ctacacaatg gatttcagtt tacaatgcaa gactgccaat gaagcaaagg 180

002250-ETTES6

taccattaca atgtagcgga cgcaagatta gcacaacatg tggagagagg gattgctgat 240

gg 242

<210> 27856  
<211> 238  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700890774H1

<400> 27856

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cttgctactcc tgggtgcagca tactatggcc gtggtgccat cccactttac tggaactaca 180

actatggaaa agctggggaa gccttgaagg tggatctggt gaaccatcca gaatacat 238

<210> 27857  
<211> 236  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700890777H1

<400> 27857

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cgttacgctt ttagtgaccg gatctgtatg gatctgaacc agatctacac gccgatgggtg 120

gttttggcct ggtctttcat agatctgatg catggaggct cagatctact gtacagaggct 180

gtgcgattca tggtcgtctc tcttttggaa tctgtttcgt agaaagtcgt ttggtc 236

<210> 27858  
<211> 239  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700890784H1

<400> 27858

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atacaggata ggtcatatca tcattgatcaa tactacaacg ggacaactgg gttttatacc 120

atggcaatgg aggaaggtgc aagagctagg ccatatgcag tgcctttgcc aaggacacct 180  
gcagtgcagt tatcgaggcc tcccaattca gggtaacaa ctaatggaca acaccaatt 239

<210> 27859  
<211> 239  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700890785H1

<400> 27859

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ctttgaggaa atcagccagg atactggaaa gtatgttttt ggagttgatg atactctaaa 180  
agctttggag atgggagctg tcgagacact tattgtctgg gaaaatctgg atatgaata 239

<210> 27860  
<211> 240  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700890787H1

<400> 27860

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tcttggtgac gacgctgac ttcgtagtga tcggaatcat cgcgtcctc tgcaccagaa 180  
tttgctgcaa cagaggacct tctaccaatc tatttcacct tactttggta attactgcaa 240

<210> 27861  
<211> 237  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700890790H1

<400> 27861

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cgccactcca agttcgatcg agaagcaagt cccaagagat atagaaggga tagtaacaga 120

gtaacctcag atggaggaga tcggagaaac ccaccacatc attctaggcg tgaacccttc 180  
 gatgctgctc ccaagaaatc aaattcaaat gatcatcatg agaatccgcc ccaacat 237

<210> 27862  
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 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700890791H1  
 <400> 27862

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 ttcaaattccc ccctgcaatt gctcatcatc cttctggttt ttctatttgt tctctcttct 120  
 gctgctctcc aaacaacaag aaggcttttg ccaaacaag aaaaaacccc tacccaaatt 180  
 acatcagata agtttcaggg tggtgaggaa ttgaaaaatg gagaagaaat gtttg 235

<210> 27863  
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 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700890793H1  
 <400> 27863

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 ggagcgcagt attcggcacc tcgacttcac tccttctctc ggcatcaaca ccattttcca 120  
 agtcaatgac ctcaaaaact ccctggcccc tgctaaacgt gagcttcgcc ttgccaccaa 180  
 acaagctttg cagttgcttc aggacaacta tcccgaattt gttgccaaac aggttt 236

<210> 27864  
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 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700890794H1  
 <400> 27864

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aaactccaaa aaaacgatgg ccgaaggaag acgcattggc ctgcgcaaag cctgcgaaaa 180  
ccctacttgc gctgaaatcg gtgattgctg cagctatctg aagcttcctt ttgcaat 237

<210> 27865  
<211> 227  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700890812H1

<400> 27865

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ggatcaatac ggaattactt atggaaggcc ttccaagaat atagtaattc gaaaccttgt 120  
tgttcgctct aacgtcagtg ctggcatctc aataggcagt gagatgtctg gtgggggtatc 180  
caatgtcctg gtggagaaca ttcttgtatg ggaatcaagg cgtgcca 227

<210> 27866  
<211> 243  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700890817H1

<400> 27866

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aaggtttagca gaaaccctga attgataagg ggaatcggaa agtactcgag gtcgcagatg 120  
taccacaaga ggggcatttg ggctatcaag gccaaaaacg gtggcggtttt acctcgccac 180  
gaccctaaac ccaagcctga agctcctgct gaaaaaccac ccaaatttta ccctgctgat 240  
gat 243

<210> 27867  
<211> 227  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700890822H1

<400> 27867

agatcatttc tgcaattaaa gaagcaggaa atgttaagaa gttctatcca tctgagtttg 60

gaaatgatgt ggaccggact catgcagttg aaccagccaa gtctgcattt gcaacaaagg 120  
 ccaaagttcg ccgagctatt gaggtgaag gaattccctt cacttatgtg tcaagcaact 180  
 tctttgctgg ttacttctg cccaacttgt cacagcctgg agccaca 227

<210> 27868  
 <211> 241  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700890849H1  
 <400> 27868

gtaatattag ctgtgtatgt attggccagt atatgaactc ttcataact caactagtcc 60  
 tcacgaaaag gatgggtata tatgatccat tccatcaagt gaacatgtgg ggggacagct 120  
 ttaaaattga tggaagcttg aactcaattg ctcccaaagt gttgatgatt aagcctagca 180  
 tgcggaacaa gtctgaatgt actcctcacg aatcaaggga accttctgga gatgatcaag 240  
 a 241

<210> 27869  
 <211> 234  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700890850H1  
 <400> 27869

ggaaaacaaa gtatagagtg aaagaatggg tgagaaaagc aagattttga tcataggagg 60  
 caccggctac atcggcaaac atatagtga agcaagcgca aaggctggaa atcccacttt 120  
 tgctttggtg agggaatcca cactctctga cccctccaag gcacaactca tccacaattt 180  
 tgaggctttg ggcgttaatt tgggtccgcgg ggatctgtac gatcatgaga agtt 234

<210> 27870  
 <211> 230  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700890867H1  
 <400> 27870

gaaggattta agttggatgt ccaaccagga aacacctact tgctaagaat catcaatgct 60  
gcactcaatg aagagctatt cttcaaaatt gctggccatg aactcactgt tgttgaggtt 120  
gatgcagtct acacaaaacc attcaaaact gataccattg tcatagcacc tggccagacc 180  
acaaatgtgc ttctaacaac caaacatgca gcaggcaaatt acttggttgc 230

<210> 27871  
<211> 228  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700890868H1

<400> 27871

tctgaatctg cgtgtgtttg tgaattgttg ttgagatctg aatcaaaatc agaaacgata 60  
atggctacac cggaccacct cttcaacctc cgcaacaact tctacctcgg cgcttaccaa 120  
gccgccatca acagcagcga cgttgccaac ctctccaag aagataccct cgagcgcgac 180  
accctcgtcc accgctgcta catcgccctc ggccagctcc agttcgtc 228

<210> 27872  
<211> 222  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700890891H1

<400> 27872

ggcatcccca tcatctgaaa ggacaaattg tacttccgtg gttgatgttg gcttatgcaa 60  
gcctgtttct ggtagattcc tgggtagatc ttttagagga agggatcgca ggaagatgat 120  
ctcatggaaa gacatgaaac ttaattccag ctgtatctaa tagtggtagg ttcctgtctg 180  
gatcttcag agggtaggat caaattgatc ttatgtgaag at 222

<210> 27873  
<211> 241  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700890919H1

<400> 27873

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 catcagctca gcaatggcct gtatgtatca ggccggcctg aacagccaaa agaaaagact 120  
 cccacaatga gctcagttgc catgccctat actgggtggg acatcaagag gtcgggagaa 180  
 ttaggcaaaa tgtttgatat cccaatggat ggctctaaat ctagaaaatc cggtcccata 240  
 a 241

<210> 27874  
 <211> 238  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700890922H1  
 <400> 27874

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 tttggaccaa agatgcacct cataatgggc aaatcaataa tgcaacaaat accacaacat 120  
 attcagacaa ggattgggtc ataggctcta tcctcctaatt cattgccact cttgcctggg 180  
 catccctctt tgttttacia gccaaagcca ttgaaaccta caaaaatcac cagctaag 238

<210> 27875  
 <211> 243  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700890927H1  
 <400> 27875

ttaacatata caaattctct gtgttggtgt gtgtacttgt gttaattgtg ttgttggtgt 60  
 aggaaattta agtgaagaga gaatgatgat gaagtctgct atgtgtgcat tggtgcttgt 120  
 ggactgggtt gtggttgaag tggggcccat ggctgaggct gcggtgactt gcaacccaac 180  
 acagttgact ccttgtcttc cggcaattaa ttcaggttct gcaccttcga gtgcttggtg 240  
 cca 243

<210> 27876  
 <211> 239  
 <212> DNA  
 <213> Glycine max

002200-0344-0954

<223> Clone ID: 700890935H1

<400> 27876

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agtcattctat gtgcctttca gattgaggaa ggcattccgc aagattcatc ttcgacttgt 120  
cagagagttg gagaagaagt ttagtgggaa ggatgttgctc ttgattgcca caaggaggat 180  
cgtgcgaccg ccaaagaaag gctctgctgt tcagcgaccc cgaacccgca ctttgaccg 239

<210> 27877

<211> 242

<212> DNA

<213> Glycine max

<223> Clone ID: 700890958H1

<400> 27877

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cgaatccctc tctcaatctc ctttccaaat ggccagcgtt gaggttgac agcaaacacc 120  
aacaacagtt ccagaaaatg aaacaaccga ggtaagcaag acccaggaaa caaccccgat 180  
cactgaggct cctgcaacag aacaaccagc agctgaggtt cctgcaacag aacaaccagc 240  
cg 242

<210> 27878

<211> 251

<212> DNA

<213> Glycine max

<223> Clone ID: 700890962H1

<400> 27878

acttactgca ctgtaagtag ggcaaaccct tatattagta cattaaaagt taaaacatcc 60  
acccttgata tgaaaactat tcacattaag tatttttata aagtagtttc attatgctca 120  
ttgttcatac aataactaaaa aagttatttt tagaattagc gtagttttca ctggtggctt 180  
cttttaaagg tggaagcaat ggcacatcct ttctttgagg agcttcgcga gcccaatgcc 240  
cggctaccta a 251

<210> 27879

<211> 238  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700890975H1

<400> 27879

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 caagagcaaa gggattctct ctctgctatc ggtcaagctc ttctctctga tccaactaac 120  
 cctgaacttc tggcggttca tgaggagctt gttcaggcaa ttaaggatgc agaagaagga 180  
 cttcttcacc taaaacgtgc acgattgtta caggaagcag attcagtgtc gcataaca 238

<210> 27880  
 <211> 246  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700890978H1

<400> 27880

atcgaagctt tgggtttgat acgcagccag tcctcattgg gctcatcata tttcagcata 60  
 ctgtaatccc acttcagcaa ttggtcagct ttggtctgaa cctagtcagc cgatcatttg 120  
 aatttcaggc tgatggcttt gccaagaagc ttggatatgc atctggatta cgcggtgggc 180  
 ttgtgaaact acaggaggag aatctgtcag ctatgaatac agatccttgg tactctgctt 240  
 atcact 246

<210> 27881  
 <211> 234  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700890988H1

<400> 27881

aagacatgcc ctgctgcaat gggatttgca tttgctgctg gaacaacaga tggacctgga 60  
 gcttttgact ttaagcaagg tgatgatcag ggaaatcctt tctggatgct ggtccgtaac 120  
 ttgcttaaaa cgccaggcaa ggaacaagta gactgtcacc acccaaagcc cattttgctt 180  
 gatactggcg aaatgaagct accatatgat tgggcgcctt caatacttcc tate 234

<210> 27882  
 <211> 236  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700890989H1

<400> 27882

cttttctaag tgctgtgatt ctttctttca tctttttctt caggtcctaa agcatacttg 60  
 tgatttcctc cattatttcc ttgagattt ggacagtagt tggtcataca cccaattcta 120  
 aattagagtt gggatgtctg gaggagtagt ttgatacagt gatgcatctc cacagatact 180  
 tgagtaaagc tatatgctgt ggtgtagatt ttactatgg agttaaagtc aagtta 236

<210> 27883  
 <211> 266  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891002H1

<400> 27883

gccttatcct ttggatatga gaggcgagct agatgacact gctgctttca agaacttcaa 60  
 gaaatgggga gacattgaat ttccactgcc atttggaagg gttatgagt ccaccgagtc 120  
 ttccattcat ggattagatg aaaagacaag tgcacacctt aaattcacag tgttgaaccc 180  
 aaagggccga atttgacaaa tggtagctgg gggaggtgct agtgtcattt atgctgatac 240  
 ggtaggagat cttggctttg catctg 266

<210> 27884  
 <211> 264  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891006H1

<400> 27884

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 ccaacaaggt tattgccacc atcttggttc tttctctcct tgcctactca acatcattca 120  
 ccaatgcatg tggcacatgc cacccaaaac ctactccttc tccccctcct ccatcaggga 180

agtgcaccaa ggacacattg aagctagggg tgtgtgctga tgttctagga cttgttaatg 240  
 ttgttggttg ttcccctgtc tcta 264

<210> 27885  
 <211> 258  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700891069H1  
 <400> 27885

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 caccacaaca agaaaggtga agcatcctct ccaatatttg tgttgaagac aaagcgctcc 120  
 cttcgtgctg tgcattttca cctcatgcc gcaccatata ttttaactgc agagggtcaat 180  
 gatcttgatt cttcagattc ctcaatgaca gaggctacat ctcttggtta tttacaatat 240  
 cctccgctg ctgttttt 258

<210> 27886  
 <211> 259  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700891081H1  
 <400> 27886

ctagctggat aggtcaaaca tcatcatgtc ggacgaagag caccatttcg agtccaaggc 60  
 agacgccggt gcttcaaaaa cctaccctca gcaagccggt accattcgca agaacggcta 120  
 catcgatc aaaggacgcc cctgcaaggt tgtggaagtt tcgacttcca aaactggaaa 180  
 gcacggtcac gccaagtgcc actttgttgg aattgatatt ttcactgcca agaaacttga 240  
 ggatattgtg cctcttct 259

<210> 27887  
 <211> 256  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700891085H1  
 <400> 27887

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 tgctccttttt ggggaaagct attgaaggca tatggcacac aggagttggt gtttatggta 120  
 atgagtatta ctttgggtggg ggtattcaac actctcctgc tggatcaact ccatatggaa 180  
 ctccactaag agtggttagac ttaggtgtga cacatgttcc caaggatgtc tttgaaatgt 240  
 atttgcagga aatcag 256

<210> . 27888  
 <211> 260  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891088H1

<400> 27888

ggacacaaga aaagtggtgc ctttagaagg agctcatggt cacattgttc acttgtctga 60  
 ttcaagtgtc tccttggatc tgattaagga agcaaaaagt cgtggtgaca gcataagtgt 120  
 tgagacttgt cccattact tagctttctc atctgaagag ataccaaatg gagatactcg 180  
 ttttaagtgt tccccgccca ttcgtgatgc ttataacaga gaaaaattat ggggggctgt 240  
 attagaggga cacattgacc 260

<210> 27889  
 <211> 245  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891113H1

<400> 27889

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 acatttcttc tacagctgat aagaattcca ctgctagaaa ggcagaagaa gatcgtataa 120  
 gcattatcag tagtcacatg actgctactt cagagagtcc aacaggcaaa tcaattcagc 180  
 atcctgccag aacccgccct cccattacca ctcacgtgtt ggatgtttcg cggggggctc 240  
 cagct 245

<210> 27890  
 <211> 243  
 <212> DNA

<213> Glycine max

<223> Clone ID: 700891121H1

<400> 27890

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 aggtcattct ttaaaggaat tgagatgtgg agggaagaga ctattttcaa gagagaaaag 120  
 accaagcaac gggcgacgtt ggttgattct catgggtgaag ataagacagt tagaatcgac 180  
 acaaaatgat aaccgctgat tcctaaagaa gagaagtcaa ctatacaaat tttatgtctc 240  
 aac 243

<210> 27891

<211> 239

<212> DNA

<213> Glycine max

<223> Clone ID: 700891125H1

<400> 27891

ggattacaac aagttctatg aggctttctc taagaactta aagcttggtta tccatgagga 60  
 ttcccagaac aagggaagaa ttgctgaatt gctcaggtac cactccacca agagtgggtga 120  
 tgagctgaca agcctcaagg attatgtgac caggatgaag gaaggtcaga gtgacatcta 180  
 ctacatcacc ggtgaaagca agaaggctgt tgagaactcc ccattcttgg agaagttga 239

<210> 27892

<211> 246

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700891135H1

<400> 27892

caagttctgg atctgaagga ggagatccgc atatcatcga tgagaggaag cggaagagga 60  
 tgctgtcgan ccgagagtcg gcgcggcgat cgcgatgag gaagcagaaa cagctggagg 120  
 atctgaccga tgaagttagc agattgcaaa gcgcgaacaa gaagcttgcg gagaacatag 180  
 aggccaagga agaagcgtgc gtcgagaccg aagcggcgaa cagcattctg agagcacaga 240  
 caatgg 246

<210> 27893  
 <211> 64  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891144H1

<400> 27893

aaattattgt atacattatt aaatgagtcg ttatatagat aacataattc tttgtgaact 60

tgat 64

<210> 27894  
 <211> 241  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891145H1

<400> 27894

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tcctggaatg agacctggtg gtgggtcccat gccaaagcttc tttgttccta tgggttcagca 120

aggccaacaa gggcagcgcc cagggggccg ccgaggaaca ggtcctgtgc aacaacccca 180

acagccaatg ccaatgatgc agcagcagat gcttccaagg gggcgtgtct atcgttaccc 240

t 241

<210> 27895  
 <211> 244  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891146H1

<400> 27895

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cagattctct tcacgatctc gaacacttaa agcttctcta caattcaatc ttgcgtgatc 120

gcaagcttcc tggctctgcy tggaagcgcc acaacgtgcy ctacagagaa attccaggga 180

aactttgctc cctcactatt aaaattcagg aacttaaaca gaggttggct tctggtgaaa 240

ctgg 244

<210> 27896  
 <211> 241  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891152H1

<400> 27896

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 agaatggcag gtcctcgga ggagggacaa gtcattagct gtcacaccgt tgacgcatgg 120  
 aacgatcaac tccagaaggg caaccaatcc aagaaactca ttgttggtgga ttttactgct 180  
 tcttggtgtg gaccatgccg tttcattgca ccattcttgg ctgagctggc taagaagttc 240  
 a 241

<210> 27897  
 <211> 245  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891163H1

<400> 27897

cacgtcttcc gcattctccg ccaccttctc aattctcttt cgattatctt tgcattctttg 60  
 caccaacctc catggccacg aacacgttca cgggagcatt actctccgaa cgttgtctcc 120  
 gtctcaactt gaataagaga ttggcctagg atcttcttca tcaatggatt cctttgcttc 180  
 ttggaagata aatggcagcg gaatggggaa ggaagagaga gaggagacgc cacttcaagg 240  
 agaag 245

<210> 27898  
 <211> 241  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891167H1

<400> 27898

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 tggggttgtc gttcacgaag ctgttcagca gggtgtttgc gaagaaggaa atgaggattc 120

tgatggtagg tctcgatgct gctggtgaaga caaccatctt gtacaagctc aagcttggag 180  
 aaatcgtcac cactatcccc accatcggat ttaatgttga gactgtggag tacaagaaca 240  
 t 241

<210> 27899  
 <211> 235  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891173H1

<400> 27899

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 acaccatctt catcacatgg caaacgcagc atctggtatg gcagtccatg atgactgcaa 120  
 gttgaggttt ttggagctga aggcaaaaag gacacaccgt ttcatagttt ttaagattga 180  
 ggagcagcag aagcagggtca ttgtggagaa gcttgggtgag cctgcccagg gctat 235

<210> 27900  
 <211> 238  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891184H1

<400> 27900

ccattttgca aaaagttttc aattgaacca cgcgcacctg agttctactt ctctcagaag 60  
 attgactacc tgaaggacaa agtacaacct tcttttgtga aggaacgtag agcaatgaag 120  
 agggagtatg aagagtttaa agtgcgagtt aatgctttgg tagcaaaggc tcagaaaaca 180  
 ccagatgaag gatggactat gcaagatgga acttcatggc caggaaacaa ctcacgtg 238

<210> 27901  
 <211> 238  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891194H1

<400> 27901

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ggctagcctc aaggttgcac ttttggtctgc agtgctctgc atgggtgtgg tgagtgcacc 120  
catggcacat gcagctatca cgtgcgggca ggtgacgaat agcctgatca attgcatcgg 180  
ttacctccag aacggaggaa cgccgccgtc gggatgctgc aacggagtga agagcctc 238

<210> 27902  
<211> 278  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700891201H1  
<400> 27902

cactgatctc cattccccatt ccatggcttc cactgaatca tcccccttca agaaaattca 60  
gattcaaagg gatgacacta catttgacgc atatgtgggt ggaaaagagg atgctcctgg 120  
aattgtttgtg attcaggagt ggtgggggtg ggattacgaa attaagaacc atgccgtgaa 180  
gatttctcag cttggtagtg ggttaaagct cttattccag atttatacag aggaaagggt 240  
ggtctggatg ttgctgaagc tcagcatttg atggatgg 278

<210> 27903  
<211> 270  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700891207H1  
<400> 27903

tgatttttgg aagtgaattt tttgaagaat atattggaca acttgcactg gcttcttttag 60  
catctataga aattgaggaa gactcacagg atcctgaagt ttgaggcaga gaattcaaga 120  
aaagatgaaa gcttggcaga aggaaaggga gcaaaagctt tcaacatttc tgaaagatcg 180  
cctgcaacca tttgttgatg gtcgagaaga tgaatttaca gcatgggcaa aatcagaagc 240  
acgtagtctt tctaaagctg cttttggaga 270

<210> 27904  
<211> 265  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700891210H1

<400> 27904

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 agataaaggg gtgtgagagg gtccctacca ctacactcc tccacttaaa acagtttggt 120  
 ttggcttagc tttggcttct ctaatcaaca agggatgtgt tctaacattc tctcttgagt 180  
 ggcagaagca gattgcattc tccaaaggag gagaggcttt ggctacagcc tggcaaaccg 240  
 gcaagtcacg aaaaggcaat ggact 265

<210> 27905

<211> 275

<212> DNA

<213> Glycine max

<223> Clone ID: 700891217H1

<400> 27905

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 cgagggttccg actcctgtgg agtgatcata tagcgaattt tgtgttagcg aatcaatttg 120  
 cagagtaagg aataaggatg ggaaaaaacc aagcctacaa agctatgcag agagccaggc 180  
 tcggcggcgc ctccgccggc cccgacgagg ttgaagacgg catggtggat ggttcatttc 240  
 attcaccaga atggcatgca gctcgtttgg ctagc 275

<210> 27906

<211> 269

<212> DNA

<213> Glycine max

<223> Clone ID: 700891219H1

<400> 27906

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 aggttatgaa gttgaacaat tctcgcagta gtcttgatgg agaggtttgt gctgatttag 120  
 ttatgaagag ctggtcgacg aggaataata caggtatgct gtttactttg gtggctgctg 180  
 tttgcattgt gttgagcttg tccatagtga ttcgtaggag gttgattggg tcgaggggaat 240  
 ctgtgtcttg gtcaagggtg cctgtgaat 269

<210> 27907  
<211> 267  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700891221H1

<400> 27907

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taatatcagc tattcagctg ttggtggctt atctgatcag atcaggggaat tgaggggagtc 120  
aattgaacta cctctgatga atcctgagct ctttcttcga gttggaatta aacctccaaa 180  
gggtgttctc ctttacgggc ctctgggtac tggtaaaaca ttgtagcca gggctattgc 240  
cagtaatata gatgctaact tcctaaa 267

<210> 27908  
<211> 260  
<212> DNA  
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<223> Clone ID: 700891229H1

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actcctgggtg ctgactacta tggacgtgga gccattccca ttttttgga ctacaactat 180  
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<223> Clone ID: 700891231H1

<400> 27909

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atgaagcaat tgaagaaact cttgaaaagg ttgtcaagtt gcttgccat attagcgaca 180

aagatttgtt tgctgaattt tataggaaga agcttgctcg aaggctcctt tttgacaaga 240  
gtgccaatga tgatcatgag 260

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<213> Glycine max  
  
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<213> Glycine max  
  
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<400> 27911

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agaatatatc ctctaccata tgcaaacctg tttggcattc atacgaattg aggtacacca 240  
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<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700891243H1  
  
<400> 27912

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<223> Clone ID: 700891246H1

<400> 27913

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 gggatctccc aagtagttta tgtccctggt gtgagcctag ctctccggta tcagagcagt 180  
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<210> 27914  
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<223> Clone ID: 700891247H1

<400> 27914

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 aagaaggggt tcgaggttct ctacatgggt gatgctattg acgagtatgc tgttggtcag 180  
 cttaaggaat ttgagggaaa gaagttgggt tctgctacta aggaaggcct gaaacttgac 240  
 gagagcgaag acgaaaag 258

<210> 27915  
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265

<210> 27918

<211> 257

<212> DNA

<213> Glycine max

<223> Clone ID: 700891274H1

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gctgggttaa caacgttgca aagacttttag gtattaggaa cctaagcttc accacttggtg 120

gtgcttatgg aactttggcc tatatttcta tctgggtccaa cctacctcat aggaaaacag 180

actctgatga gttccatgtt ccgggggttcc ctcaaaacta caaattccac cgcaccaat 240

tgcataaatt tctaaga 257

<210> 27919

<211> 255

<212> DNA

<213> Glycine max

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attgcagacc caagccctga tatgagaaga attctgaggg aacttctcat tcgtaacaat 180

ggatccataa ggtggaatcg tctagaacgc ttggtagcag caatctctga acaagcttct 240

gagataactg gagac 255

<210> 27920

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 700891277H1

<400> 27920

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<210> 27921  
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 <223> Clone ID: 700891283H1  
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 cagccccaga agtgggaagg gtgagcatga ggaagaccgt caccaagcag gtctcctcag 180  
 gaagcccatg gtacggccca gaccgagtcA agtacttggg cccattctct ggcgagcccc 240  
 cgtctacct aaccggtgag tt 262

<210> 27922  
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 <223> Clone ID: 700891296H1  
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 ttggaggtgc ttttctaatt gcaactgtaca aaggctcctgt tggttaacatt gcaggctcat 180  
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<210> 27923  
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<223> Clone ID: 700891301H1

<400> 27923

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aggagctaga cagggttaata ggtagagaaa gatgggttga agagaaggac attgtaaatt 180  
tgccttatgt gaatgccatt gcaaaggaag caatgaggct gcaccctgtg gcaccaatgt 240  
tggtgccaag acta 254

<210> 27924

<211> 250

<212> DNA

<213> Glycine max

<223> Clone ID: 700891302H1

<400> 27924

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tggtgttagc atgggtatcg agagtgtggt ggataagaat gaaaaaaaaat catctggtgg 180  
cattcgggat gctggttggt ctgcatgtga gatggctggt atttgatgc agaaccagct 240  
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<210> 27925

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700891306H1

<400> 27925

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tttcaccagc acctgcagca gcacaaaaag ccacagcaaa aactcctcct accccaaagg 180  
caacagcacc atcaccaaaa ccattagtgc ccacaatacc tcagtctcca gactctcctg 240  
actcgggt 247

<210> 27926  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891310H1

<400> 27926

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 gcaaaaattc ctgatgaatc tgccccctta gaaagtgaag atagcaattt ggatgtgggtg 180  
 aaagagccgt tagctgcagc aaatgctgaa gttacaaaaa tttctgggtga attggtttct 240  
 gta 243

<210> 27927  
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<223> Clone ID: 700891312H1

<400> 27927

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 gttggagaat tttggtgagc ttcggaattg cgctgcttgt gttctacatt gctacaaaac 180  
 ctccatcacc caatgtctcc gttgagatcg caaggtttcc agaatttaaa ctacggaag 240

<210> 27928  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891313H1

<400> 27928

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 gaaggttgat gtgtggagct gtggggtgat tttgtatata atgttggcgg ggattccccc 180

003300-ETTES60

tttttacgga gactctgctg ctgagatctt tgaggctgtg gttagggcta acctcaggt 239

<210> 27929  
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<212> DNA  
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<223> Clone ID: 700891320H1

<400> 27929

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aagaagccaa gattttgctt gtgattattg gttatttaga tgccctgaaat ggatgccgag 180  
aaagtgggtgc atactggagg ctgccattgt aagagtgtaa ggtggaaagt ggttgcttct 240  
tccagt 246

<210> 27930  
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<212> DNA  
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<223> Clone ID: 700891322H1

<400> 27930

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ctgcggaggc tgcaagatgt acccagactt gagctacact gagtcaacca ccaccgagac 180  
cttggtcatt ggagtggcac ctgttaaggc tcaatttgag ggtgctgaaa tgggtgtgcc 240  
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<210> 27931  
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<223> Clone ID: 700891331H1

<400> 27931

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 <223> Clone ID: 700891332H1  
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 catcatatgt gtccaataag ggtgcactgg cacgtgaagc tcaactataa ggactattgg 180  
 cgagtcaagg ttgctgtgac gaatttcaac tacaggatga attactccct ctggactctt 240  
 gctg 244

<210> 27933  
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 <223> Clone ID: 700891333H1  
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 tttgatggag ccttgaatgt tgatgtcaat gaattccaga ccaaccttgt gccatacccc 180  
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<210> 27934  
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<223> Clone ID: 700891338H1

<400> 27934

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 agagaaaagc tgctcgcca taccctcaaa aagctcctaa aactcctact gtatcccaag 180  
 ttatggggcc attgcaatct tcattcttctt tcattgaacc tgcatacatt tatatcccg 240  
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<210> 27935

<211> 240

<212> DNA

<213> Glycine max

<223> Clone ID: 700891341H1

<400> 27935

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 cattttgtgg cataaggatt aaggaggcat aaaggaccaa ttgctttgga atattcactc 180  
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<210> 27936

<211> 239

<212> DNA

<213> Glycine max

<223> Clone ID: 700891342H1

<400> 27936

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 atcaaagagt aagagcccat ccggtgaagg atctactact tcaactgctc catcaaccaa 180  
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<210> 27937

<211> 237

<212> DNA  
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<223> Clone ID: 700891344H1

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 agcacgtttt acgtgaccaa aactgtggca caatcagaaa ttgcaccac atcgcaaagt 180  
 gagactggtg caggggtttgc tttgtctgtt tctgggggtga ccttatgttc ttctgtg 237

<210> 27938  
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<223> Clone ID: 700891346H1

<400> 27938

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 ggacaggcat tgtttgatct ggaaaatacc aatcaggagc ttaaaagtga tctgaaggat 180  
 ttatacataa actcagccgt gcaagttgat gtttctggaa accgcaaggc tgttggt 237

<210> 27939  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891347H1

<400> 27939

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 agtggccgct catcatcatc ggagtcagca tcatggctgt gtccctcgcg gggttcgccg 180  
 gcgcgtgcta ccgcaacacc ttctcatgc gcctctacct cgtcgtcatg ttctcgt 238

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<223> Clone ID: 700891348H1

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 ggtcaccacc atggttgagt ccgtttacaa tctactgcacc accactggaa atttagggaa 180  
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<210> 27941  
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<223> Clone ID: 700891350H1

<400> 27941

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 ttgcagcctt gaaggcacca ttgattgcgc atgcaagcca gccagatata caatctaaac 180  
 ttccgagggc tgtgctggtt gttctgggac ttgcttccga ttctcaggtt tcaagtcaag 240  
 cac 243

<210> 27942  
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 <212> DNA  
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<223> Clone ID: 700891351H1

<400> 27942

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 cagccccaga agtgggaagg gtgagcatga ggaagaccgt caccaagcag gtctcctcag 180  
 gaagcccatg gtacggccca gaccgagtc agtacttggg cccattctct ggcgagcccc 240

cgt

243

&lt;210&gt; 27943

&lt;211&gt; 239

&lt;212&gt; DNA

&lt;213&gt; Glycine max

&lt;223&gt; Clone ID: 700891356H1

&lt;400&gt; 27943

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gtctccaaag taacaactac tactcatggt gaaaatctga tcccaaaaga ggaagagttt 120

ttggccaagt tgccaccacc accttgcaaca ccagaagaat caagtgtctac tcatcatcac 180

aaaaaccacc accctcttct tgattttcaa attccacttc ctccttgtgc ttttcagcc 239

&lt;210&gt; 27944

&lt;211&gt; 235

&lt;212&gt; DNA

&lt;213&gt; Glycine max

&lt;223&gt; Clone ID: 700891358H1

&lt;400&gt; 27944

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ttggccatcc tcatttgccg accacaagat gcaatgtcat tggtagcccc agagtactta 120

accgagattt tggagaaagg aacttttttg aacactgttg ggaacaggat cttctactca 180

gcacttcttc ttttgctttg gatctttggg ccagtgtctg ttttcttctg ctcta 235

&lt;210&gt; 27945

&lt;211&gt; 234

&lt;212&gt; DNA

&lt;213&gt; Glycine max

&lt;223&gt; Clone ID: 700891360H1

&lt;400&gt; 27945

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tcactattag tgtccaagat cacactgata ttggatcata ttgcatttgc agtatgcaat 180

atatagtatg taatactctg gatccttcta aattcaagaa catactgggg aatg 234

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<213> Glycine max

<223> Clone ID: 700891364H1

<400> 27946

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cttctttgaa attgcagaga acaaggagga ttacaacaag ttctatgagg ctttctctaa 180  
gaacttaaag cttggtatcc atgaggattc ccagaacaag ggaaagattg ctgaattgc 239

<210> 27947  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700891367H1

<400> 27947

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agagagaatt gaaggctgct ggaattgata ttaggcagcg gaagagaaaa aggaaaggaa 180  
tagattacaa tgcagcaacc aaatgggagt gttcctgtta tttagtaacc ttggtgg 237

<210> 27948  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700891368H1

<400> 27948

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aagaagcaac caggggctta tttcaactgc cacgttcagc tattgaaaaa atcaagcaaa 120  
ttgtggttat gtccaagaag aaagggaata acaacaccaa ctttcacttg tcaacgttgt 180

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<210> 27949  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700891370H1

<400> 27949

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atgggttcaa ccagattaag tccttgggtt atgttgaggg tggcattgga gggctctctt 180  
ctgagattgt tagggcttat cctcacatca atgccatcaa ctttgacttg cctc 234

<210> 27950  
<211> 233  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700891371H1

<400> 27950

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cagccttatt tctgctattc catccaagct gcaactatca ttttcattct ggaacaaggg 180  
gagatcaaaa ccgaagccag ttctctcccc atgcattgat agcttgagta ata 233

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<212> DNA  
<213> Glycine max

<223> Clone ID: 700891372H1

<400> 27951

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aagtttgctg ctgatgctaa cagcaagact gtgccggcat caagcatccc agatgggttg 120  
atgggggttg atattggtcc tgattccatc aagacatttg gtgaagcatt ggatacgact 180

cagaccatta tttggaatgg accaatgagt gtttttgagt ttgataagtt tgc 233

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 <223> Clone ID: 700891373H1  
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 ttcagggtct tgcaaaaagt ttgcacaaag attgcattgc taaaatggaa ccattctaagt 180  
 gtctctttcc atcagaaatt gctaaaaaca taaagactcc actgttcctt gtt 233

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 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700891376H1  
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 ggatcacgaa ggactggaaa ttcgagaaga agtcacgga tatttatgtg ccagataaca 180  
 ttggtgacga tgagggaagc agtggagcta atgggtactgc ttctgatat 229

<210> 27954  
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 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700891377H1  
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 caaattcggc cgagttcaaa tatccagcag ttttcaactt cgggtgattca aattcggaca 180

002200-ETTES60

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229

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<212> DNA  
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<223> Clone ID: 700891378H1

<400> 27955

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tttttgactt tctcggttaag aaaaaggatg aagaagacaa gcctcatcct caggaggagg 180  
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<212> DNA  
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<223> Clone ID: 700891379H1

<400> 27956

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ctctgggggc aataacttct gggagtcaat ttttgagcc tgatggcttg tttccaaatc 180  
atatcccaaa tcttgaggac aaaacagcaa tgaaagctat aacccaagca g 231

<210> 27957  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700891380H1

<400> 27957

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aacgtcaagg ccaagatcca ggacaaggaa ggaatcccc cggaaccagca acgtctcatt 180

002220"ETT"ES60

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<213> Glycine max  
  
<223> Clone ID: 700891381H1  
  
<400> 27958

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ggggagggtct gctggtttca gtttgggagg atcatatcca tcacatcgta cacaacagca 120  
acagcagcat gccccttctg tcagtagcaa tgggtgtctca ttttcatctg taaacaatca 180  
agatcttctc catctgcatg gaacggatat ttttccatct tcacactcaa catatcat 238

<210> 27959  
<211> 236  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700891383H1  
  
<400> 27959

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actcttggtc ttgcgagaga aagccatgcc agagacgaag atttttggca tgctgtttgg 120  
ccaaacactc ccattccaag ttcattgcga gatcttctaa agcctggccc tgcaagtgtt 180  
gaaatcgatg atcacctat gcaaattgaa gaaacacagt acccgaaaac cttctt 236

<210> 27960  
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<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700891388H1  
  
<400> 27960

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ataatatttt acacatgttt caccttcatt gcaagggtgt gtaaagttgt aacatctaac 180

ttgaaat ttt aaatcactgt tagtcccttt ttatttcccc gtccttcatt c 231

<210> 27961  
 <211> 226  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891391H1

<400> 27961

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 gaagatgggt aaggaaaagg ttcacatcag tattgtgggt attggccatg ttgactctgg 120  
 gaagtccact accactggcc acctgatcta caagcttgga ggcattgaca agcgtgttat 180  
 tgagagattt gagaaggaag ctgctgagat gaacaagagg tctttc 226

<210> 27962  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891395H1

<400> 27962

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 ctatgcaagt cacagcacca ggaaatgttt atagctatgg tgttgttctg ctggaaatcc 180  
 ttacaactag actaccagtt gatgaggatt ttggtgaagg ttagatttg 230

<210> 27963  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891410H1

<400> 27963

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 gcacagcagg caagggtgtt ggcaactttg gctcttgggg atctgtttca gaatgaggct 180

cttgctcgaa caagtgatgc agtttcagct tgtcgtgctt tagtgaatgt gcttgaagag 240  
 caaccaacag aa 252

<210> 27964  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891427H1

<400> 27964

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 tgtggatgat cttagagcca gcagcatcag aacatctgct gatgaggata ttactagcat 180  
 ccatactttt gttgctggga tgaaagaaat ggtcaaaca gaatatgaga agcatcttgt 240  
 tgatggg 247

<210> 27965  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891430H1

<400> 27965

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 ttgcttgaga gtcatgcac tggtgggcat ggggagagca agtttgatga atttccagat 180  
 atgttgaatg atttggaag gctttctgtc tctgattaca acaatgttaa tggttttcta 240  
 tcatata 247

<210> 27966  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891438H1

<400> 27966

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aatatacgag tacatgtccc ggggaagtgt ggaacacaaac ttgttctcaa aaattttgct 120  
tcccttgcca tgggtccataa gaatgaagat tgcgtttggc gctgcaaagg gacttgcatt 180  
tcttcatgaa gcagagaaac ctgtcatcta tcgagatttc aagacatcaa atattttatt 240  
ggaccaggag ta 252

<210> 27967  
<211> 250  
<212> DNA  
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<223> unsure at all n locations  
<223> Clone ID: 700891441H1

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gccaaaacag ggttgtcaag atgcagcaag agttgcagac ttagatggac gaattacctg 180  
aggccaggaa tcangcgtgg taacttcaca gaacaagagg agnagatgat aatccatctt 240  
caagatcttt 250

<210> 27968  
<211> 248  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700891448H1

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gaccaaggga ggtgctaatt tgatctcacc actcccactt tcacgattct tctcgaaatc 120  
ttcttcccc tatgttgtga aagttggaat tccagagttt ctaaacggga ttgggaaggg 180  
ggttgagtcc cacgttccta agcttgaatc cgaaatcggt gatttccaga agcttctcct 240  
cactcgca 248

<210> 27969

<211> 242  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700891459H1  
  
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 gttccaccga aaattatcaa gcatcaagat atgagttgga cagtttgga tagatggatt 120  
 ctcggaaca atcctaccct cagggaactt ctcgagtggc tgaaagcaaa gggcttgaat 180  
 gcttatagca tctcttggtg aagttgccta ctctataata gcatgttccc taggcataag 240  
 ga 242

<210> 27970  
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 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700891462H1  
  
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 aagaggaatg gaagcttgac acactgtgtg atctttatga gacattggca attactcaga 180  
 gtgtcatttt tgtgaacacc agaagaaagg ttgattggct gactgacaag atgcgaagtc 240  
 gag 243

<210> 27971  
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 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700891483H1  
  
 <400> 27971  
  
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 tgaagaagtg aagaaggctt ataagaaatt ggcaatgaaa tggcaccagc ataagaacct 120  
 tgaagaccct cttaggaaag aagagtttga ggccaagttt aaacaagttt ctgaggccta 180

tgatgtgctt agtgacccaa agaagcgcca gatctatgac ttgtacgggc actatcccct 240  
 taactct 247

<210> 27972  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891485H1

<400> 27972

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 gtcattgtacc gacaaggatc ctccggtttat agggacaagg tagatattgc tctaattcat 180  
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 attgg 245

<210> 27973  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891590H1

<400> 27973

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 cttcaatcga tgtggaaaat agcagagaaa gcattgatgt gtgttcagcc ccacggacat 180  
 atgcgaccat caatttcaga agctctaaag ga 212

<210> 27974  
 <211> 211  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891591H1

<400> 27974

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0953443-032200

tgatgacatt gattatgata gcagacagct tagctctgat gaatcccttt cacttgggaa 120  
gactgaggat gattcagctg caaatcgatc atcagtgtct gaatttgggg atgacaattt 180  
tgctgttggg agttgggagc agaaagaagt a 211

<210> 27975  
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<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700891594H1  
  
<400> 27975

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cacgccgatg gtggttttgg ccgggtcttt catagatctg gtgcgtagag gctcagatct 180  
acggtaccga ggtacaacag agaatcgatg acaaga 216

<210> 27976  
<211> 233  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700891609H1  
  
<400> 27976

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gaagaaagag ttcgagacgc aaatggaggt tctggggaag attaagcacg agaatgtggt 180  
tcctctcaga gccttttact tctccaagga cgagaaattg ctcgtttacg att 233

<210> 27977  
<211> 234  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700891613H1  
  
<400> 27977

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gcattataca gtaatgtatg gacaactcag agaaaatgaa gaagagacaa gctgtgacga 120  
 aagctctgat tctttggaca agatggtacc ccttttgcaa gaaaagatgg aagtgtgaat 180  
 agaacttcga aagattctag aggcagagga attcacctat ttttcagaat cttc 234

<210> 27978  
 <211> 237  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700891615H1  
 <400> 27978

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 ccaggacaag gaaggaatcc ccccggaacca gcaacgtctc attttcgccg gaaagcaact 180  
 tgaggacggc cgtacccttg ctgactacaa cattcagaag gagagtactc ttcacct 237

<210> 27979  
 <211> 230  
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 <213> Glycine max  
 <223> Clone ID: 700891622H1  
 <400> 27979

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 ccatagtaaa gttccttcct ggattagagg gacccttcc ttttgttctt gaaaccgggt 180  
 atgtgggagt gggatgaatca gaggatgtgc aggcattcta ctacttcatt 230

<210> 27980  
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 <223> Clone ID: 700891639H1  
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aggacaaaga ggaatgcact gagcaattgg caggcctagc aacatgtctg ccctatgttg 180  
ggggtcaagc acaagctcca accccagatt gttgtagtgg tctcaagc 228

<210> 27981  
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<212> DNA  
<213> Glycine max  
<223> Clone ID: 700891645H1  
<400> 27981

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cttgatagtg attgggaaaa ggatattcca ctcgatccaa ccggtcaact tgacgagctt 180  
cgagctttca ttgaagataa tatagatatc tgcacatggg ttggcatt 228

<210> 27982  
<211> 226  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700891654H1  
<400> 27982

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tggctctgctt caggccacca cttcacagaa ttaagctttc ctggagttgt aaataacaaa 180  
tagtagcgtg ccagatTTTT tttcagtaaa tgcttttctt gtttga 226

<210> 27983  
<211> 226  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700891660H1  
<400> 27983

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ttcgcaaggt ggacctcaca atgtacaaaa gctacaaaga cttatctgat gccttggcca 120  
 aaatgttcag ctccttcacc atgggtaact atggggccca aggaatgata gacttcatga 180  
 atgagagcaa gttgatggat cttcttaaca gctctgagta tgtgcc 226

<210> 27984  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891661H1

<400> 27984

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 atgcaacctc ctcacccaat aattcccata gtcctgctcc tatgcctgga aggaatcgct 180  
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<223> Clone ID: 700891664H1

<400> 27985

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 gagaaaatcc atatccacaa gcctcgacga ggtggatcga accatctact cttccttctc 180  
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<210> 27986  
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 <212> DNA  
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<223> Clone ID: 700891673H1

<400> 27986

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ttctgttcca agagcttgga gtgatccctg tggttcatga aattgacaaa gaccctgagg 120  
gcaaggaaat agagaaagct ataacaaggt tgggggtgcc tacacctgtt cctgcagtct 180  
tcatcggagg gaagctggtg ggggtccacca atgaagtcac gtc 223

<210> 27987  
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<223> Clone ID: 700891677H1

<400> 27987

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agctaccgta ccagcagttg ggacctattc ttttgaccag tttatggagg aacaaattta 180  
tgacttggaa tctgaatctg atgctgaatc tgatcttgat ataga 225

<210> 27988  
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<213> Glycine max

<223> Clone ID: 700891681H1

<400> 27988

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acaatgctta aagtgaacct gccacctgca cacagcttgc ccatggaaaa tggagtatct 180  
cttcatgaat ctgctgctcc tgtggctcct tttcttccta ataata 227

<210> 27989  
<211> 223  
<212> DNA  
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<223> Clone ID: 700891685H1

<400> 27989

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aagcctctct atgaccttgt tcaatcccct tcaaaatctg gttttgtgga ggcaaacaga 180  
ggatgctgtg gtaccgggac tgtagagaca acatccttgt tgt 223

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<212> DNA  
<213> Glycine max  
<223> Clone ID: 700891688H1  
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tgaatcctaa tttgtatgag tccgggaaag tctgtctgag tctcctaaac acgtggactg 180  
gtacagacac cgaagtttgg aaccctggag cttccacaat t 221

<210> 27991  
<211> 223  
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<223> Clone ID: 700891689H1  
<400> 27991

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agagggtgtac caccatgtcg gacgatgaaa gggaggagaa ggagttggat ctctcttctg 180  
cagaagttgt aaccaaatac aaaaccgagg ctgagatcgt taa 223

<210> 27992  
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<212> DNA  
<213> Glycine max  
<223> Clone ID: 700891690H1  
<400> 27992

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ggaaaaagca gagaaatgga tagggtgaag ggtccatgga gcccagaaga ggacgaggcc 120  
 ctgcggggcgc tggttcaggc ccacgggcct cgaaactggc cggtgataag caag 174

<210> 27993  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891694H1

<400> 27993

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 atcagagagt atgactcaaa gaggttggtg aaggagcact ttaagagact ctctggcaag 120  
 gagttgccga tcaagtctgc acaaattacc gcatcaactg atttcaactga gctacaagag 180  
 aaggaaccct ggctttcatc ttctaaattg gttgttaaag ctgac 225

<210> 27994  
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 <213> Glycine max

<223> Clone ID: 700891695H1

<400> 27994

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 agtgtgcttg ggttgattt tggtcagacc gtgggtgatg ttcaccaag tttgcatggg 180  
 actcaggtgg aacagtcaac taatattagc aatagcacat tggaagg 227

<210> 27995  
 <211> 245  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891702H1

<400> 27995

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 gtttggtatg actggactga tgatggactt ggctattatg agtttctcca acttgaggag 120

gacttgggta ctgcaccaat atgggtattt aataatgggtg tcagtcataa tgatcaagtt 180  
 gatacatctg cgggtcttacc tcttgtgcaa gaagcccttg atggacttga gttcgcgaga 240  
 ggtga 245

<210> 27996  
 <211> 235  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700891727H1  
 <400> 27996

ggctgttgta tggaagagga tcaattgtta ctgatttatg aatacatgga aaacaatagt 60  
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 tggcaaacaa ggcataggat ttgtgttggt atcgctaaag gtttggctta ctttcatgaa 180  
 gagtccaaac tgaagattgt tcatagggac atcaaggcca ataatgtgtt gctgg 235

<210> 27997  
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 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700891739H1  
 <400> 27997

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 gaaggatgag gagggtaaag ttgaagatgt ggatgaagat aaggagaagg aggagaagaa 120  
 aaagaagacc attaaggagg tatctcatga gtggtcattg gtgaacaagc agaagcctat 180  
 ttggatgagg aaacctgaag agatcacaaa agaagaatat gctgctttct acaa 234

<210> 27998  
 <211> 235  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700891747H1  
 <400> 27998

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ctccaaacag acgagaaatg ggtcgtggg tcaagtgtgg tgggtggtcag agttccttag 120  
 gttatctctt tggcagtggg gtgcctgcc gcaagtcaaa cagtcagcct gcaaattggg 180  
 ctcgactca aaatgctagt gctccttcac caccagtcca taagcaaagt ccagc 235

<210> 27999  
 <211> 229  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891770H1

<400> 27999

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 attttcgagg tgaaggccac tgctggtgat actcacttgg gaggtgaaga ttttgataac 180  
 agaatggtga accattttgt tcaggaattc aagaggaaga acaagaagg 229

<210> 28000  
 <211> 228  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891773H1

<400> 28000

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 aacaccaaca acagttccag aaaatgaaac aaccgaggta atcaagaccc aggaacaac 180  
 cccggaacca gtaccagcca ctgaggctcc tgcaacagaa caagcagc 228

<210> 28001  
 <211> 227  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891775H1

<400> 28001

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ttggaagggtg ttttgacctc ttgcccttaa tcaacaaggc ttttgcaaag cttgttgcg 120  
 atattgacta cccaatgagt aaatgggaga ttttttccat tgaagggtac tacttgagct 180  
 acaccttgag tttgctagag cttctgaatt ccatttcttc ttgtttt 227

<210> 28002  
 <211> 230  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700891776H1  
 <400> 28002

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 tcacaaaacc cgccattcgc cgtttggtc gcagagggcg cgtcaagaga atcagtggcc 180  
 tcatttatga agaaaccgc ggcgtcctta agatcttctt cgagaacgtt 230

<210> 28003  
 <211> 228  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700891783H1  
 <400> 28003

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 gagtttcttc tttctgtatt atttatttct ctggatttga tcacgaaaca ttgaattgaa 120  
 ttgtgagcct gttttctctg cagcatagtg ttttgaataa ttttgtgtag tgcccttcat 180  
 ctcatcgagc ctcatgcgta atttggtgat gtttctcact gtttttga 228

<210> 28004  
 <211> 227  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700891785H1  
 <400> 28004

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gtgtggcttc ttgttccaat ctctgggccc ttattatgga tgctggaact ggcttttcaa 120  
 gtcaagttta taagttgtca ccatttttct tacacaagga atggatcatg gaacagtggg 180  
 aaaagaacta ttacattact tctattgcag gggctaataa tgggagc 227

<210> 28005  
 <211> 266  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700891805H1  
 <400> 28005

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 ttgctgccat gtatgggtatt gccgttgctg cacttggcat gctgagtacc attgccaccg 120  
 gattggccat tgatgcataat ggtccaatca gtgacaatgc tggaggtatt gctgagatgg 180  
 ccggtatgag tcacagaatt agagagagaa ctgatgccct tgatgctgcc ggaaacacaa 240  
 ctgccgcaat tgggaaggga ttgccc 266

<210> 28006  
 <211> 268  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700891848H1  
 <400> 28006

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 ctttgctgga aagcagctag aagatggccg aaccttggct gattacaaca tccaaaaaga 120  
 atctaccctc cacttggttc tccgccttcg tgggtgggatg caaatctttg tcaagactct 180  
 cactggaaag accatcacc ttgaggtgga gagctctgac actattgaca atgtcaaagc 240  
 caagattcag gacaaagaag gtatccca 268

<210> 28007  
 <211> 252  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700891889H1

<400> 28007

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gattaggatc ggcataacg ggtttggaag gattggccgt ttggtggcca gggttgccct 120  
tcaaaggaat gatgttgaac ttgttgctgt caacgatcct ttcataacca ctgattacat 180  
gacatacatg ttcaagtacg acaccgttca tggccagtgg aagcattttg atgtgaagg 240  
gaaggactct aa 252

<210> 28008

<211> 244

<212> DNA

<213> Glycine max

<223> Clone ID: 700891911H1

<400> 28008

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aagcaatctg tcttgcttc tctactagcat tgctagtctt atttttgaat tgcaccacca 120  
ccttagccca attataacca gcttctgccc ctctcaaacc accccaacct gctcctacca 180  
taccagctgc tgctcctcaa caaccattgg ttccttcatt gccacaatca ccaagtgatt 240  
ccac 244

<210> 28009

<211> 243

<212> DNA

<213> Glycine max

<223> Clone ID: 700891913H1

<400> 28009

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ttccccatta tatgtagcca taaagcaaaa cgtgttcttc aacgtgctgt ttggaatgac 120  
acatcttttc tgaattcaat caatgtgatg gattactcct tgcttggttg agtagattct 180  
cagaagcacg agcttgtctg cgggatcatt gattatctca ggcagtatac ttgggacaaa 240  
cat 243

<210> 28010

0022E0"ETTES60

<211> 255  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700891917H1

<400> 28010

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gaaaaatgtg ttgcttgcaa aaaacagttt acccaattga aaaggtagct gttgatggaa 120  
catcttacca taaggcttgt ttcaggtgca ctcatggggg gtgtgtaatt agccctcaa 180  
attacgttgc ccatgaacat cgtctttatt gtaggcacca tcacactcag ttgttcaagc 240  
agaaaggtaa ttcag 255

<210> 28011  
<211> 251  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700891932H1

<400> 28011

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gtgatctgag tgaagatttg ctttctccac atttttccca gaatttttaa gaccagtcac 120  
agaccctatc gtttcaatat ttcacgaat gctctgtgga agatatgatg cttctaata 180  
tggtaaggc aacagtctgg aaagtgagcc tttaccaggt tcggactcaa ttgaggcatc 240  
caggagacga g 251

<210> 28012  
<211> 242  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700891955H1

<400> 28012

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caatgcggcg tcttcacat cgagagagag gagcacacta tcggcaacat cctccgcatg 120  
cagctgcaca gagaccccaa tgtcttgttt gccggataca agcttctca tcctcttcaa 180

tacaaaatta ttgtcaggat acacaccact agtcagtctt cgccaatgca ggcatataac 240  
ca 242

<210> 28013  
<211> 242  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700891962H1

<400> 28013

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atgaacaaag tatgagacag attctgctgc aaggccactg gaaagaggac ttgaggtgcc 120  
tgcacaatta ccagtacctg aggttgatca gtactcttat ttacatacaa acaacttagt 180  
ttcctcagaa agcatgtata tgagtggaaa accaatgcac tatectgagt tgcaaaaccc 240  
tg 242

<210> 28014  
<211> 240  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700891969H1

<400> 28014

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accagattag gagcccaaga ggccctctga caagcccctc aggcttcccc ttcaggatgt 120  
gtacaagatt ggaggtattg gaactgtgcc agtgggacgt gttgagaccg gtgtcttgaa 180  
gcctggaatg gtggtgactt ttgcaccaac tggactgaca actgaagtca agtctgtgga 240

<210> 28015  
<211> 234  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700891975H1

<400> 28015

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aggaaagggtt cacatcagta ttgtgggtcat tggccatgtc gactctggga aatccactac 120  
 cactgggtcac ctgatttaca agcttggagg cattgacaag cgtgttattg agaggtttga 180  
 gaaggaagct gctgagatga acaagagggtc tttcaagtat gcctgggtgc tgga 234

<210> 28016  
 <211> 237  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891986H1

<400> 28016

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 cgaattgaat ttgttgcgt ggttgcagca aggaatgccg ctggtattag cgaaaagcga 120  
 ttcgatccag attcgcgagg tatggaacga taacctggaa gaggagttcg cgttgattcg 180  
 cgaaattgtg gacgattacc cttacatcgc catggacacg gagtttccag ggatcgt 237

<210> 28017  
 <211> 237  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891987H1

<400> 28017

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 gagcatcaaa gaagggtttt ggttgggctg ctcgggactc atctgggctt ctctcccat 120  
 tcaacttctc cagaagagaa acgggggaga aagatttggt attcaaagt caatactgtg 180  
 gaatatgcca ctcagatcta catatgttaa agaacgagtg gggcaacaca acctatc 237

<210> 28018  
 <211> 232  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891991H1

<400> 28018

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tgagatgagg ttgagattaa atgcatggga catccagtgc ttccttcact gcaggtgcaa 120  
aatttggttg acctgtgggg ggttgatata gcgtctttgg gacatagaat ttcagcaacc 180  
attggatcct cagggaaaga ttttgtcatg atcctaacct atggtcggaa gg 232

<210> 28019  
<211> 250  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700892013H1

<400> 28019

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tacaccgatg tcagccccaaggccaagca tgaaaaattc ccaagccaag gcggcttacc 120  
agatcgatca gaagaaggaa gcaagggact ctgtgagtca tcaccagaaa tatctactac 180  
tgagagtgc atctcatttt caaggtacac tccctcaatg cctcggagac agctctttgg 240  
agatatgcaa 250

<210> 28020  
<211> 251  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700892104H1

<400> 28020

agtgaaccca gttttggtac ttggaccatt actgcaaccc agcataaatg ctagtacaat 60  
tcacatcctc aagtacctca ctggctctgc taagacctat gcaaagcca cacaggcgta 120  
tggtcatggt agggacgtgg cattggccca cataacttgtt tatgagaagc cttctgcctc 180  
tggtagaaca tatgtgccga aagctctctc caccgtggag aattagttga aattctcgcc 240  
aagtatttcc c 251

<210> 28021  
<211> 255  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700892109H1

<400> 28021

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 acacaaaaga aacaacactc caagaggacc accaggtcct ccacctcttc ctctcatcgg 120  
 caaccttcac caactccaca actcatcccc acatctctgc ctatggcaac tcgccaaact 180  
 ccacggctct ctcatgtcgt ttgcctcgg cgccgtgcaa accgtcgtgg tttcatcggc 240  
 cagaatcgcc gaaca 255

<210> 28022

<211> 251

<212> DNA

<213> Glycine max

<223> Clone ID: 700892112H1

<400> 28022

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 cctgggattg gcaaagctga attttgtgct tctccaaagc tcaagcgatc ctgctctgac 120  
 ctggaaagaa gggatgtact aaggagact tgtcatctct ttccatcttc aaagtcacag 180  
 tcttttgagg atttgcaggg gttatcagca catcagatgg ttaatctaga aagccccagg 240  
 tctgtgatga c 251

<210> 28023

<211> 251

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700892117H1

<400> 28023

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 agaagaaaga agcgagaaga tgtcagancg cgttctgcag cgactgcaag aggcagacgg 120  
 aggtggtggt tgaccactct gccggcgaca cggtgtgctc ggagtgcggn ctcgactgg 180  
 agtcccatct atcgacgaga cctctgagtn gcgtaccttc gccaacgagt ccggtgacaa 240  
 gatcncaatc g 251

<210> 28024  
 <211> 249  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892125H1

<400> 28024

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 tgctcctcgt ggccctctcc gctccaccg cgacggcgcg tccctgcagg accttcataa 180  
 tctctcttac tcgttccgca accctaactc caacaccttc gccaccatca ccgagatccg 240  
 atccttcac 249

<210> 28025  
 <211> 251  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892133H1

<400> 28025

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 aagaagttga cttcaatcgc gcaacattta ctgacattct gaagcaactt gctaagcaat 180  
 ttgatatgga tctcactcct aaaaaggcat ctataaagct gatgattcag gaagaactga 240  
 caaaactagc t 251

<210> 28026  
 <211> 246  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892138H1

<400> 28026

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 atggtaggct aggtattcca agaggatgtc cctttgactt ggtggggggg gcatataata 180

tcaaggttca agaattgaag agtcagaatt tagaggagga tgaacttgag aagaaattgg 240  
aacttc 246

<210> 28027  
<211> 247  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700892140H1  
  
<400> 28027

tgaagaataa atcataaaat tagaacagat aacagctctg gatgaattaa tgtcattgat 60  
gagtttcttc tttctgtatt atttatttct ctggatttga tcacgaaaca ttgaattgaa 120  
ttgtgagcct gttttctctg cagcatagtg ttttgaataa ttttgtgtag tgcccttcat 180  
ctcatcgagc ctcatgcgta atttggtgat gtttctcact gtttttgaat tcttggattt 240  
tctttttt 247

<210> 28028  
<211> 247  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700892141H1  
  
<400> 28028

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tggtttctat tggaattgag agctcgggac ctgaggttgt caccgttgat gtacatgcaa 120  
ccaaggatct gatccagacc agtcatgttt atctggatgt caggacggtg gaagagtttc 180  
agaaagggca tgtggatgca gagaagatca ttaacgttgc atacatgttt aatacaccag 240  
aaggcag 247

<210> 28029  
<211> 245  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700892143H1  
  
<400> 28029

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tagacttttt tttacaaaaa gggaaaagga gattggcaat ctaagctttg ataaagatga 120  
tcagttggct gtagaatttg ttactgcagc tgcaaacata agggctgctt catttgcat 180  
ccctctcaa aacctttttg aagctaaagg tattgctggg aatattgtgc atgctgttgc 240  
gacta 245

<210> 28030  
<211> 245  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700892144H1

<400> 28030

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ttgtagcact tcttcttctg gcggaggtgg ggcccatggc tgaggctgtg acatgcaccc 120  
caacagagtt gagtccgtgt cttccagcaa tcacttccgg tgctaaacct tccaatgctt 180  
gttgacagaa gctgaagcag caaaaacat gcttatgtgg ctacctcaaa aacgctagct 240  
tgaag 245

<210> 28031  
<211> 244  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700892145H1

<400> 28031

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tttaatgttc atgtgctctc tcacattctt tccgttggtg cactgactgg ctattcggtt 180  
gtctcagcat gtgttgctgt tcttcgctgg aaggataaga caaatagtca agtgtcatct 240  
tctg 244

<210> 28032  
<211> 248

<212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700892149H1  
 <400> 28032

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 cgtcaaggcc aagatccagg acaaggaagg aatccccccg gaccagcaac gtctcatttt 180  
 cgccggaaaag caacttgagg acggccgtac ccttgctgac tacaacattc agaaggagag 240  
 ctctgaca 248

<210> 28033  
 <211> 243  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700892154H1  
 <400> 28033

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 ctgagactgg ggcttccggg attgcagtct cccgaacgag attcagatct ttgcttgaga 120  
 agttcaattc agtttgatga aaaaccactg tttcctttgc atcctgctac tgatgatcac 180  
 attcctcatc aaagcctgct gttttgggta acaaaagagg gttctcagat gtcatgagtg 240  
 gat 243

<210> 28034  
 <211> 245  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700892157H1  
 <400> 28034

gtttgctgaa ctcatgacca agattgacag gcgatccggc aaagagcttg agaaggagcc 60  
 caagtttttg aagaacggtg atgctgggtt tgtaagatg attccaacca aacccatggt 120  
 tgttgaaact ttctccgagt atcctccact tggtaggttt gctgttaggg acatgcgtca 180  
 aactgttgct gtgggagtca tcaagaacgt tgagaagaag gatcctaccg gagccaaggt 240

cacca

245

<210> 28035  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892164H1

<400> 28035

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 acgcttgaat gtggggagtg gaagcagggt ggcctcagtc acacgtgcag gggtcacagt 180  
 tagagcacia caacaacaag tgagtgggtga ggtacaaagc agccgtaggg cagtgtcttc 240  
 acttggtt 248

<210> 28036  
 <211> 244  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892167H1

<400> 28036

aaatggtaag atatcatcca aaagcaaata gcagtgagcag cagctgacaa agctgagttt 60  
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 ggtaatggta gatgtctata ggtaattcat ttttgtgcct tcacaaactt accataatca 180  
 cccaccctgt ataaaattta aattcaaaaa cacaaaaaaa tccgtagctg gttctcaggt 240  
 tata 244

<210> 28037  
 <211> 242  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892169H1

<400> 28037

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aaccagccct tcaggcaa at gggaaaggct tctctgaatt ctctggcctc cgaagctcat 120  
 caggcttctt tcccttttct agaaaatctt cagaggattt ccattctgtc attgccttcc 180  
 agacctatgc agttggaagc agtggaggat acaagaaggg tgtgacagaa gcaaaactga 240  
 ag 242

<210> 28038  
 <211> 242  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700892170H1

<400> 28038  
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 aatagatc agcaattgat caaagggtcat tttgttttg tggctctgag aggggagtga 120  
 ttctaaacta aaatatatgg gggctgggga agagagtaca gctaaatctt ctaaagtatc 180  
 ttgggcagct caggagacac caacagcact tgcatacct gactgggtcaa gctccatgca 240  
 gg 242

<210> 28039  
 <211> 239  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892191H1

<400> 28039  
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 accaggactt ctatcaatgg caaatgctgg tcctaatacc aatgggtcac aatttttcat 120  
 tacaactgtg acaactagct ggttggacgg aaggcatgtt gtttttggt aagttctttc 180  
 tggaatggat gttgtttaca agattgaagc tgaaggaaca caaagtggca ctccaaga 239

<210> 28040  
 <211> 267  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892209H1

<400> 28040

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 agtgatcggg gtccacagcg tagaggagtg gaaggaacat ctcaagaagg gagaagagtc 120  
 caagaaattg attgtggtgg attttactgc ttcttggtgc ggtccatgcc gtttcattgc 180  
 cccaattctt gcagagtttg ctaaaaagtt gccgaatgtc accttcctca aggtggatgt 240  
 ggatgaattg gagactgttt ccaagga 267

<210> 28041

<211> 265

<212> DNA

<213> Glycine max

<223> Clone ID: 700892221H1

<400> 28041

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 gctgcagatc caccaaccgt tatggctgcc ttcagcgggtg atgaaacggc accgtttttc 120  
 ggcttccttg gcgccgcagc tgccctcgtc ttctcctgta tgggagctgc ctatggcaca 180  
 gcgaagagtg gcgtgggcgt ggcttccatg ggtgtaatga gacctgagct ggtgatgaag 240  
 tcgattgttc ctgttgatcat ggctg 265

<210> 28042

<211> 261

<212> DNA

<213> Glycine max

<223> Clone ID: 700892232H1

<400> 28042

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 tcagcaaaag gaggcctggg gaagtgttac cacctcatga acctgctgtc gttggaagag 120  
 ctgtaaacca tttcttacag aagcacgaca gtgacttaat ggttattgat gttcgatgtg 180  
 ttccatctga ttttcatgca agatttaaag cgcaagagcg cacatacttc tatcggttgc 240  
 tttctgggcc agagcctttg t 261

<210> 28043  
 <211> 262  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892235H1

<400> 28043

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 gtgtccacag cgtagaggag tggaaggaac atctcaagaa gggagaagag tccaagaaat 120  
 tgattgtggt ggattttact gcttcttggt gcggtccatg ccgtttcatt gcccgaattc 180  
 ttgcagagtt tgctaaaaag ttgccgaatg tcaccttctt caagggtggat gtggatgaat 240  
 tggagactgt ttccaaggag tg 262

<210> 28044  
 <211> 261  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892242H1

<400> 28044

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 gcacaagtgg ttcagaattg gtccggttca atgcttgaac gtaatgggag ccatcaatct 120  
 ttgccaccta tcaaataattt gcatttgcat gaaagtgatt ccttctctat aggaattttt 180  
 tgcattgcccc cctcttctat cattcctctc cataatcatc ctggaatgac agtggtgagc 240  
 aagctgttat atggctcaat g 261

<210> 28045  
 <211> 257  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892246H1

<400> 28045

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 gaataaaggg aatgggatgg gggtgggctg gtgtaatctg gctgtacagt gtggtaacct 120

atatccctct tgatttactc aaatttgcta tccgctatat tctaagtggg aaggcttggg 180  
 ataatctttt ggagaacaag actgccttca ctacaaagaa agactatggt aaagaagaga 240  
 gggaagctca atgggcg 257

<210> 28046  
 <211> 259  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700892248H1  
 <400> 28046

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 aatctactca agttgagtca gctagataaa agtattctaa acgaaaagtc ttgtttacga 120  
 gtattttaat atagatgata aatcgaagac agataataaa gaatttatat aacttacaca 180  
 ttcggttagc ctaattaaat acgttggtgg ttaaattaga ataagtttgc atgagtcgat 240  
 atatgcagtg agtgatatc 259

<210> 28047  
 <211> 260  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700892255H1  
 <400> 28047

ctctgattgg gtggaagaga aaagcagctc agtgcattgt ggaggtggag gcgtgaacgt 60  
 gcatacagga aaaggaggtg gcagtggcac cactgtcaac gttggtggaa aaggaggcgg 120  
 aggcgtaaac gtgcatgcag gccacaagg aaagccagt catgtttcag ttgggtcaaa 180  
 gtctccattt gattacgtct acgccgccac ggaaactcaa ttacacgatg accccaacgt 240  
 ggcactcttc ttcttgaaa 260

<210> 28048  
 <211> 256  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700892258H1

<400> 28048  
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tccaatccaa aaggatatggg gatgcactat atttttgggt gcgcatggat atggattcac 120  
gaaacccttc gcaaacggac ttttggatcat tttgtgatgc cgttaatgcg ggaaattgca 180  
agttttgcttt ctcagaagcc atgaggggaa tgtatgggggt aaaaggtgat gcggattcct 240  
tgcttcccat gccggt 256

<210> 28049  
<211> 258  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700892268H1

<400> 28049  
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atggctctct cttccccatc cttggctggc aaggccgtga agctgggccc atcagccccc 120  
gaagtcggga gggtcagcat gaggaagacc gtcaccaagc aggcctcctc cggaagccca 180  
tggtacggcc cagaccgct caagtacttg ggcccattct ctggcgagcc cccgtcctac 240  
ctcactggcg agttccca 258

<210> 28050  
<211> 255  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700892274H1

<400> 28050  
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ggtcatcgat gggagaccgc gtacaatggt gatcgaatca tttgtggtgg atgtgcctga 120  
tggaacacc agggatgaaa cttgttactt tgtggaggct ttgatcaggt gtaacctaag 180  
ctcttttagct gatgtctcag agaggatggc cgtgcaaggt cgaaccaatc ctatcaacca 240  
ttaagcatgt ctagg 255

<210> 28051

<211> 253  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892279H1

<400> 28051

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 gctggctggt tatgtttgtg ttgtcgtgtg gtttcatatt ttcttgatta gggttctattc 120  
 ccattcagtt attcccaatt tctaagcgca atgccatgca attgaagttg tattttactt 180  
 tacattgctc attcctttca gtttagcatgg tctttagaac ctgctattga tatctttttc 240  
 ttctttctcaa atg 253

<210> 28052  
 <211> 255  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892283H1

<400> 28052

caggataagt cttggcgcgt gcgttacatg gttgcaaadc aattgtatga gctttgtgaa 60  
 gctgtaggcc ctgaacctac cagaacggaa ttggtacctg cttatgtgcg gttgcttcga 120  
 gataatgagg ctgaagtgcg catagcagct gctggaaaag tgaccaagtt ttgccggatt 180  
 ttaaateccag atctttcaat tcagcatatt ctttcttggt tgaaggaatt gtcacagat 240  
 tcttctcagc atgtc 255

<210> 28053  
 <211> 256  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892327H1

<400> 28053

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 gttgactgtt gatttgaagc ctgatttgcc aagggaagca gagagaatta agaagtgcaa 120  
 aggtagggta tttgctttgc aagatgagcc tgaagtgcct aggggtgtggt tgccctttga 180

tgatgcacca ggattagcca tggctagagc atttggagat ttctgcttga aggagtatgg 240  
tgtgatttct atacct 256

<210> 28054  
<211> 253  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700892343H1

<400> 28054

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ttttctttgt tccgaggaaa aaattctgct tttgaatttg ttggttttca agcttggtgt 120  
agaaggaaat ggcacaacgt tctcatgtac ccaaatttgg caattgggat agtggagaga 180  
atgttcctta tacagcatat ttgacaagg cgcggaagg tcgaactggg gcaaggataa 240  
taaatacaaa tga 253

<210> 28055  
<211> 260  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700892347H1

<400> 28055

ctgctgagaa aattgcgacg cggaacacg cgcatcttca cgatcctgga atccaccgcg 60  
gcgtatccag cgattccgat ctccgacgag tctgcgagg cgaagaatcg cgaggccagc 120  
cgccggtgaa gaatcgcgcg atttgtctgg aaatcgcgat tcagccacga ttcattccccg 180  
atactgagac tcaaccacga ttcaggaaga aaaacgagac aacctccgat tcgtatcggt 240  
agcagttgga atcatatcga 260

<210> 28056  
<211> 253  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700892351H1

<400> 28056

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 ggcccatcag cccagaagt gggaaggggtg agcatgagga agaccgtcac caagcaggtc 120  
 tcctcaggaa gcccatggta cggcccagac cgagtcaagt acttggggccc attctctggc 180  
 gagccccctg cctacctaac cgggtgagttc ccaggcgact acggctggga cactgctggg 240  
 ctttcgcgag acc 253

<210> 28057  
 <211> 251  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892358H1

<400> 28057

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 agagtaagat ccagggaac agaggaattg cttagatcac ttccatcctc aaaaattgac 120  
 tggctctgcat ttgccatgga gaataaaaaat aatgtaaact cttcagctat tgaaaatatt 180  
 ggagctagtt tgggagagag agtacataat tcaacaaatt tagttgatgc atctgtgaac 240  
 ttggccagag g 251

<210> 28058  
 <211> 252  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892394H1

<400> 28058

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 gttgtagcct ttcagaactt atcaaacaat caggcaacat ttaggattac tgcaactgca 120  
 gttgtacttg agtttaatca tgcagcaagg atagtgaaga aaatcaaatt gggttggttat 180  
 ccatgcaaga tattcaagaa gacagcactt atcaaggata tgtttacctc agatcttgaa 240  
 gtagctcggtt tt 252

<210> 28059  
 <211> 249  
 <212> DNA

<213> Glycine max

<223> Clone ID: 700892409H1

<400> 28059

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 cccgggtcag aggaggccca gatcatgaag aatactctca gtgagtgtga agaggggtggc 120  
 atcaaaggag aggaaaagta ctgtgccact tcgcttgaat ccatgattga tttcagcact 180  
 tccaagcttg gaaaaaatgt tgaggttgtg tccacggaag tagtggagga caaggaaacg 240  
 ggattgcag 249

<210> 28060

<211> 246

<212> DNA

<213> Glycine max

<223> Clone ID: 700892425H1

<400> 28060

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 caaaaaggag agactctgat tctgagccgc ttctagaacc ttccattgtc caagaagttt 120  
 cattccacga cgacaacgaa gaagaagaat tccttgacga atttgaatac gatgaagacg 180  
 acggtgacgg tgacgaatac tatgaggaag aagaggaata cgaagaggag gctggtgtgc 240  
 cttatg 246

<210> 28061

<211> 244

<212> DNA

<213> Glycine max

<223> Clone ID: 700892428H1

<400> 28061

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 aaaaaattta tcaattctaa ctatggaaaa atatcgtgta ccatccttgc cgccggcggt 120  
 ctttctcttt tgatttatgt gttaaagaga tggcccaaac caaagcccaa gcctgagact 180  
 gagcccacgc tcgggcccac gtccgagccc cagtccatgc ccaagcttgg gcccaagtct 240

gtat

244

<210> 28062  
<211> 146  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700892430H1

<400> 28062

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gatcgtttga ggcgtgacaa gcacgtgttg atgatggagc ttgtgaagct gagacagcag 120  
caacagaaca caaggtcata ccttca 146

<210> 28063  
<211> 246  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700892433H1

<400> 28063

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ctgtcactga gtccttctgt tgcgggggaa gggcaaaata atggccttgt tatgaacttc 120  
tacaaggaat catgccctca ggctgaagac atcatcacag aacaagtcaa gcttctctac 180  
aagcgccaca agaacactgc tttctcctgg ctcaggaaca tcttccatga ctgtgctggt 240  
cagagt 246

<210> 28064  
<211> 241  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700892434H1

<400> 28064

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tgctgtctct actgtcacac ttcgtcagcc atcaacttca ggtggcactg tcacatacga 120  
ggggcgcttt gagatagtgt gtctgtcagg ctcttacttg gtcaccgata atgggtggctc 180

acgcaatcga actggtggat tgagtgtgtc ccttgctagt cctgatgggc gtgtcattgg 240  
t 241

<210> 28065  
<211> 237  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700892438H1

<400> 28065

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ggcattgagt ggcttaggtg gcatccaaga ggacacatac tcttagctgg ttctgaggat 120  
ttcagcattt ggatgtggaa tactgataat gctgccttac ttaatacatt tattgggtcat 180  
ggatgatagt taacctgtgg tgattttact cccgatggga aaataatatg tactggt 237

<210> 28066  
<211> 242  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700892440H1

<400> 28066

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aaacgatgaa cagtgatagg aaaattgggg ttgccttgga cttttccaaa ggaagcaaaa 120  
tcgtctgaa atgggctatt gacaatctta tcagcaacgg tgacactctc tacatcgctc 180  
acaccaagcc ttccggagga agtgaatcag gaaatcttct ctggtccacc actgggtcac 240  
ct 242

<210> 28067  
<211> 238  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700892444H1

<400> 28067

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ttgcagtata aagacactgg actgttgaaa aatcttgacc tttcaacaaa caacctgtcc 120  
 ggagaaatcc cgctgaact ttttagcctc actgaactgt tgttcttgaa cttgtctaga 180  
 aataatttaa tgggaaagat acctagcaag attggtggca tgaaaaattt ggagtcce 238

<210> 28068  
 <211> 239  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700892445H1  
 <400> 28068

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 gttcgcattgc caatttcatt tgacttgagc aatccacgca atttcattcac caagatttct 120  
 cggtataaca aagtgggtcaa cattccaaac agcatgacca ttttggtatga acttctgcct 180  
 atttcaattg agatggcaaa gcgaaacttg aggggcatct ggaacttcac aaatcctgg 239

<210> 28069  
 <211> 240  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700892446H1  
 <400> 28069

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 cctccctcaa aaaaccgga tggacgggtgc agacgcgtgg cgcgtggccg cgtgtgccaa 120  
 caccaacgtc aacagaataa tgctccgctt tcgcccgatc gcgccgaaac cggtcgcccgg 180  
 aagttccgcc gtctccagag ccaccggcgc tggcgacgga agccagagta gccacgtgtc 240

<210> 28070  
 <211> 240  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700892447H1  
 <400> 28070

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agaagctgac ttgaaagttg aaacagaaga tgggagaagc aacagaaaga tatgcagttg 120  
 tgacgggtgc aaataaagga attggattag agatagttag acagttagct tcagctggaa 180  
 tcaaagtgtt gctcacagca agaaatgaga agaagggtct ccaagcactg gaaacactca 240

<210> 28071  
 <211> 241  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892450H1

<400> 28071

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 ctcttgact ggaaccatta ttggtcccta taatactgta catgaaggaa gaatttatca 180  
 attgaagctg ttttgtgata aagactaccc tgaaaagccc ccgagcgtcc ggtttcattc 240  
 a 241

<210> 28072  
 <211> 240  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892451H1

<400> 28072

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 ttgagggtgc aagcacaccg tcagaggctg caaagaaggt aaaaattggg atatattttg 120  
 caacctggtg ggctctgaat gtggtgttca atatttataa caagaagggt ctgaatgcct 180  
 acccttacct ttggcttact tcaactctct cacttgcatt tgggtctctt atgatgttga 240

<210> 28073  
 <211> 241  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892453H1

<400> 28073

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 gtggctgtcg gagtcatcaa gagtggtgag aagaaagacc ccaccggagc caaggtcacc 120  
 aaggccgctg ccaagaagaa gtgattgcat ttgggcaatt ttgctagcac atgtgatcat 180  
 catcgtgggtt actcctttat agtagtttta tccttgcaga gtcttaggtg ttttgtttaa 240  
 g 241

<210> 28074  
 <211> 243  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700892455H1

<400> 28074  
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 ccttgctacc tagcaattcc tctgctactc ctcatatttc tttgtccaac cctacctctg 180  
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<223> Clone ID: 700892456H1

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 atcttggtta aaagaagaag gatgtcaagc ggagcaacac actggtgtca tgcattgcaga 180  
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 caaga 245

<210> 28076  
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<212> DNA  
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<223> Clone ID: 700892462H1

<400> 28076

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 aagctccacg gcgaccaaca caagcccaaa ctactactcc caacactcat cacaataaca 180  
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 c 241

<210> 28077  
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<223> Clone ID: 700892464H1

<400> 28077

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 gtcttcttac agatagtggc actgggattt gtggagccag tgattgacca agggttcact 180  
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<210> 28078  
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<223> Clone ID: 700892467H1

<400> 28078

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 ttgagccctc tcagaagatt agggactttg gtgtgaagct gaagctatca cctgttcgtg 180  
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<210> 28079  
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 <213> Glycine max

<223> Clone ID: 700892470H1

<400> 28079

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 tcctcatcca aacaaggcac aatttccatg tccctaaccc ccccccccta cgacctccag 180  
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<210> 28080  
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<223> Clone ID: 700892472H1

<400> 28080

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 ctttgctgaa attgaagagg ctcagcaaaa aaaattcatt gagaagtaca actttgatcc 180  
 tgtgaatgag aagccgctct cagggcgcta tgaatgggaa aagttgaaac cctagaaggg 240  
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<210> 28081  
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<223> Clone ID: 700892476H1

<400> 28081

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 aaggtgtgaa aggtggctgc tcattctcatg aagaaaaaaa ggtggctaaa tcacatgaag 180

agaagagatc taggccacgg aagatgatgg agtttcacaa catcaaaatt agtcagg 237

<210> 28082  
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 <223> Clone ID: 700892477H1  
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 ataccggggga aggcattggac gagatggagt tctctgaggc tgagagcaac atgaacgatc 180  
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<210> 28083  
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 <223> Clone ID: 700892478H1  
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 agtagcagcg gcgggtcagt gtatgacaag aaccctgatg atcagatcca ctctggggcg 180  
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<210> 28084  
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 <213> Glycine max  
 <223> Clone ID: 700892485H1  
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caccaaagga agaaaccacc gaagcaccaa caacagaaac agtagaaaca acaact 236

<210> 28085  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892501H1

<400> 28085

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 gcttggaacc agagaacttt aaggcattca aacttggtta gcgtgcacag ctgagccata 180  
 atgttgcaaa gttcacattt gactcccaa cacctacatc tgttttgggt cttccaattg 240  
 ggcaacacat aagttgcagg ggtaaag 267

<210> 28086  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892518H1

<400> 28086

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 tgtacctgca aacagtactg aggatgacat ggatgatttt gatccaagag gaacttctac 180  
 caaaacttca gctggaaact ctaaccaggt tgatctcttt ggacaagatt taatcggtga 240  
 cctcatggat gctccaa 257

<210> 28087  
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<223> Clone ID: 700892538H1

<400> 28087

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 caatatctcc gttggcgaga gtggagatcg tcttaccaga gccgctaagg tgttggaaca 180  
 gcttagtggc caagcccctg tgttttccaa agcaaggtag acggttcgtt cctttgggat 240  
 tagaagaaat 250

<210> 28088  
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<223> Clone ID: 700892556H1

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 attcatttcc atagatgttt ccttctagcc agtggatgac tctaattctg ataactcagt 180  
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<210> 28089  
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<223> Clone ID: 700892560H1

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 agacctttgt ggtttgcac aaagcaaagt ctttcttact tggatggcag ccttccgggt 180  
 gactatggat ttgacctctt gggactttca gacctgaag gaacaggagg gttcattgag 240  
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<223> Clone ID: 700892563H1

<400> 28090

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 agtgactatt cacatgccac aggatgaggc acttctagca tcttggaagc agcaactcga 180  
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<210> 28091

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700892572H1

<400> 28091

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 gatttaccaa gagaagagct aaccaagtga agagaacctg ctatgcacaa tcaagccaga 180  
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<210> 28092

<211> 248

<212> DNA

<213> Glycine max

<223> Clone ID: 700892590H1

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 gatcagcaag caggcaaagg agagaatata cagattagtt caatctgggg ttgaaagtgg 180  
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 <223> Clone ID: 700892625H1  
  
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 gtgttgagag agaaccctaa gatgtttgaa tctaattgtga ggagggcaat ggctggaggg 180  
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<210> 28094  
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 <223> Clone ID: 700892627H1  
  
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 gcctccaaga cctatcctca acaagccgga accatccgca aaaacggtta catcgatcatc 180  
 aagggtcgtc cctgcaaggt tggtgaagtt tctac 215

<210> 28095  
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 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700892634H1  
  
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 tcagatgcgg ctgagaagat cagctgttaa tatatttgga tctgttccag aggttgacga 180  
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<210> 28096  
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<223> Clone ID: 700892638H1

<400> 28096

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<210> 28097  
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<223> Clone ID: 700892650H1

<400> 28097

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 tttctggcaa ggagttgccg atcaagtctg cacaaattac tgcattcaact gatttcactg 180  
 agctacaaga gaaggaaccc tggctttcat cttctaaatt gg 222

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<223> Clone ID: 700892651H1

<400> 28098

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 aagaaaaaca ccctgaaatc gatgcctatg acgtgcaata cagcaccaaa aggagcgagt 180  
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<223> Clone ID: 700892653H1

<400> 28099

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 tcaccgttct ctgcatggcc gacgacaccg ccgg 214

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<223> Clone ID: 700892657H1

<400> 28100

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<223> Clone ID: 700892658H1

<400> 28101

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<223> Clone ID: 700892669H1

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ggcaaccatc cccatcacgc gaactgggtat ca 212

<210> 28103  
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<223> Clone ID: 700892671H1

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taacaatata acatttaatt taggaataag gaatcatttg gttcaagtac gtcacatcgc 180  
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<223> Clone ID: 700892682H1

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tgttaggatt gtcctcatg tgatgatgac atggattttc ctgaaccaga tacagaaatt 180  
gcagaaatcc tacgggttgt agtttgtagt tctccgt 217

<210> 28105  
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<223> Clone ID: 700892684H1

<400> 28105

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 cctgaatgct acatacgagg caatacaatc aagtaccttc gagtacctga tgagggttatt 180  
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<223> Clone ID: 700892690H1

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 gccatgaggg ttacaaaggt tccagtttat cagctttagt tggttcacct gttaaattgct 180  
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<210> 28107  
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 <212> DNA  
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<223> Clone ID: 700892691H1

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<212> DNA  
<213> Glycine max

<223> Clone ID: 700892712H1

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cgagggcgca ggaccaggag gagagggaga agattgagga ggagatgaag gggacggagt 180  
tgcagccaat tttggagcag ttgcacgcaa caagggttc tgcaaaggag aggcagaaga 240  
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<210> 28109  
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<223> Clone ID: 700892743H1

<400> 28109

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gctgcatcta gttattcaat ccttattgaa attagtactt tcccatcttc cccccctaatt 180  
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attcaacatg ggat 254

<210> 28110  
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<212> DNA  
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<223> Clone ID: 700892759H1

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gctgtgatag tgcgtttact gttgggagaa atacctgagc ggactgtctt catgcagaaa 120  
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ttggaactgt ttaggaatat tgcggacaag tttgccacta cttttaatgc agacagaacc 240  
cataatttg 249

<210> 28111  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700892803H1

<400> 28111

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ttaatggatg tgatggaaaa acatgagaca atggacattg attgtgttgg ctgctctgga 180  
tcctccaaga aagcaaatga cttttccttg gaatccgatt attcttggat tgaaagtgat 240  
aa 242

<210> 28112  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700892808H1

<400> 28112

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ggaccaacc caagcaagggt acgacttttg agtctcatat tttaagtatt atattctggt 180  
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g 241

<210> 28113  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700892811H1

<400> 28113

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 gttctttggg acagaccctt ctatcgtgct atgaggacgg acagtgcact gaagtttggg 180  
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<210> 28114  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892819H1

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 tcgaccttca gatgctatca atattgcagt aagatgcaag gttcctatac aagtcaacaa 180  
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<210> 28115  
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 <212> DNA  
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<223> Clone ID: 700892820H1

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 gctatggtgt tattgtagag actgagaaga gttacatcga gactgttgtc atggatgttc 180  
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<210> 28116  
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 <212> DNA  
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<223> Clone ID: 700892823H1

<400> 28116

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gctaacttca cagcccaagt catcatcatg aaccaccctg gtcagattgg aaatggctat 120  
gcccctgtcc tcgactgcca cacttctcac attgctgtca agtttgetga actcatgacc 180  
aagattgaca ggcgatccgg caaagagctt gagaaggagc ccaagttttt gaagaacggt 240  
g 241

<210> 28117

<211> 242

<212> DNA

<213> Glycine max

<223> Clone ID: 700892831H1

<400> 28117

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accataccag ctgctgtctc tcagcaacca ttggttcctt cattgccaca atcaccaagt 120  
gattccaccc ctgacagtac tccaactgtt gacattgttg gaatcctgag aaaggcaaag 180  
tcattcaaca tcctaatccg cctcatgaaa accacccaat tgatcaacca actcaatgca 240  
ca 242

<210> 28118

<211> 240

<212> DNA

<213> Glycine max

<223> Clone ID: 700892842H1

<400> 28118

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ctggctgctt tctattctta cctcaagaga aataagagaa tgggtgcaaa gaaatggttt 120  
aagataatag tcaaattgaa gaaatcgaag aaagataaat ccaaagaaga aaaggaacag 180  
atcactgatg aaaattcaaa cgaatactcc aacgggaagc agagtactcg tgaagagtca 240

<210> 28119

<211> 238

<212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700892843H1  
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 cgacagatgg aggcgctggc acgggttctg ggggcggcgg aggtgtccat aagcacacca 120  
 tagttgttgt ggtcattgtc ataatagcct tggttgtcat ttgtggctctg gtctttgggg 180  
 gagttagata ccacagaaga aagcaaaggt tgcctgagtc tcctagagaa ggttcaga 238  
  
 <210> 28120  
 <211> 243  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700892849H1  
 <400> 28120  
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 agaaactcaa agcttacata tctgcttcag cttgtctag gtggagactc caagacacta 120  
 atgtttgtga acatatacacc tgatccttct tcagttgggtg agtcactatg ctactcagg 180  
 tttgcatcaa gagtcaatgc ttgtgagatt ggaacacctc ggcgtcaaac caatggacgt 240  
 tca 243  
  
 <210> 28121  
 <211> 239  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700892852H1  
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 ttctcagagt cattcaattc ttcaacatca aaaaaaggag tcatccagtt ccaacatcct 120  
 tgctttccac tccatagctc aatggaatgc tcattataaa gccaccaaag aaactaacia 180  
 gctgatggta cttgatttca cagccacatg gtgtggacct tgcaaactca tggaccctg 239

<210> 28122  
 <211> 238  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892853H1

<400> 28122

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 tcctgcaatt caaggtatag atgccctcat aatcctcaca agtgcagttc cacagataaa 120  
 gcctgggtttt gatccaacca aaggacaaaag accagagttc tattttgagg atggggcata 180  
 tcctgaacag gttgactgga ttgggcagaa aaatcaaata gatgtcgcca aggctgct 238

<210> 28123  
 <211> 239  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892858H1

<400> 28123

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 tcctcctacc tcttgacgcy ccggtcctgt tgctgaagac atgtttcact ggcaagcaac 120  
 aattatgggt cctccagaca gtccttatgc tggaggtgtt ttcctagtca ctattcattt 180  
 ccctccagat tatcccttca agccacccaa ggttgcattc agaacaaaagg tatttcacc 239

<210> 28124  
 <211> 239  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892863H1

<400> 28124

gaagatctct agagaaattg cagatgccag tggaaaaacc atgccagtag aggaaatctt 60  
 gaccattaat gtcaagcctg gctggaagaa aggaacaaag atcacattcc ccgagaaggg 120  
 aaatgaacag ccaaactgta cacctgcaga cttgtttttc attatagatg agaaaccgca 180  
 cagtgtcttc gcccgcgatg gaaacgacct tggtgtaacc cagaagattt ctcttgca 239

<210> 28125  
 <211> 236  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892869H1

<400> 28125

gcgaaaatga caaccacctt cgcgaccgtc gcaggactcg gtggtgcatc actgtcatcc 60  
 acctcatctc gtctcacctc agggtttgtg aaatcgccag tgagtgctag gaatcccttg 120  
 aggcaagctg tggcaatggg aaatgggagg gttacatgct tcgagaggaa ttggctgcgg 180  
 gcagattaca gtgtgattgg gtttgggttg attggttggc tagcaccctc aagcgt 236

<210> 28126  
 <211> 238  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892872H1

<400> 28126

tgagcttatt atttattagt acttttagcta tgtcacttct gttggttgtc atgttctttt 60  
 cctttctttt gttttcttct cagtatgatg attcatatta cacatgggtc taagttgaag 120  
 tgccaaatta tttttctggg ctatgtccct aacgtcttta ttttttcatt cttcaaagtc 180  
 gcattgggtaa cctgtacgtt gacataagga caagttactc cttcctctga attggatg 238

<210> 28127  
 <211> 237  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892875H1

<400> 28127

cggcaagggtt tggctccaac aagagaaacg agcaatcata tggatattga tttttagggt 60  
 ggaagaaaaa tcagagttag agaaaaaatc gatggagatg gaagtagaca tcgagaagaa 120  
 gcaacaagac gtggtgaaag agaaagactt gttcaaagct gcagaagagg gcgaggcatc 180  
 aacgttcgaa gctctctctt ctgaaatcct ctccaaagcc ctctctctca gaaacga 237

<210> 28128  
 <211> 236  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892877H1

<400> 28128

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 ctacgcctca caccocggta atgcttccat accggtggcg cgtgaacttc acgctcctcc 120  
 ctagggtggt ctcttttgca tgctaaggaa tcgtttgcat catggacgac accctccaag 180  
 ctgaacgtag ggcttgggaa tgcattgtac gttgcagaat agcaaacttc gtgggt 236

<210> 28129  
 <211> 238  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892880H1

<400> 28129

aaatttaatt ccagtagacc catgcacacc agaacacttc cttctgcggc gggttgcttc 60  
 ctctctttac gagcctttcc attcactcca tcgattcggg gggcggggt gctgcgaaac 120  
 cgagctagac cctgatcggg gtcggcacac cgccggagaa caagatgatc gtctgcgtcg 180  
 ccgtcgtcgg tcaccagaac aatccgctgt acattcagag cttcacggag gccgacga 238

<210> 28130  
 <211> 237  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892885H1

<400> 28130

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 gtggaagaca agctaattta ccaaattttg agcaatttgc agttttccag caccaccacc 120  
 tagaagacaa caaattcatg tgcacaatga ggatattgaga aggcttagag agattttcct 180  
 tcagccacct caaagatcca cattccaaat aaacacacaa gctccccac cggtaga 237

<210> 28131  
 <211> 263  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892903H1

<400> 28131

ggcaattcga gtcttgaatc cctctttcaa ccttaacact ctcacttcg tttccgtcgc 60  
 agcttttttac aactccacc gctgcttccc cttcacctcc gatttcgta atcagagatc 120  
 aaaatgtctc gaagatatga cagccgtaca acaatcttct ccccggaagg acgtctttac 180  
 caagtggaat atgcaatgga ggctattggg atgctggtac cgcaataggg atcttatcaa 240  
 aagatggggg agtgctggtt ggt 263

<210> 28132  
 <211> 262  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892913H1

<400> 28132

ctttttactc gttgaatatc tgggtgccaga cattaagaaa aattcacgat ctactcaat 60  
 agagtagctt ctttttggtt ttactgtgct ggactgatat gtacttcacg catcaattat 120  
 ttcttttctc taattttggt gtgatgatat ttctgtttct tatgaaggat ggaattaaga 180  
 gcaagaaatc attgaagact actcaacaat caaaatatcg attaccagga aaaggcagcc 240  
 caacttctat aaacaagggg ag 262

<210> 28133  
 <211> 265  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892916H1

<400> 28133

agcaaatatg gaatctgaag cactgatatg gggtgacaaa ctcatactga agggattgtc 60  
 attccgtggt tttcatggag cactaccgga agaaaggaag ctaggccaga agttcgtggt 120  
 agatgttgat gcatggatgg atctgaaagc agctggcaaa tctgatcact tatcagatac 180

aattagttac acagatatat atgatatagc taaggaaatt cttgaagggt cacctcaaaa 240  
ccttctggag tcagtggcac aaaaa 265

<210> 28134  
<211> 260  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700892924H1

<400> 28134

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gcttccaatg atgagcttgc tgagctttac tggagtgtg gtttgacgga caaagctcca 120  
ggctctgtgc agaaacttat tgacaggagc aaacatattc tggctgtcaa gtttgttttt 180  
gagttcaatc ttgctcataa gattccacca gttcccattt tggaagctca tgtgaatgag 240  
tctcagaaac ttgttaaag 260

<210> 28135  
<211> 260  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700892928H1

<400> 28135

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agtactcagg tggaggcaat aatgggtgaca ctgacaatga tggtgacgtt gatgctgaca 120  
atgatgaaga tgatagttag gaagatttcg attgttctga atcaaaactc gatgcagcag 180  
aagcaataga agttgcatga tgaatataag atagagctaa atggggaatt ttttgctctc 240  
ctactgatta tacctgaagg 260

<210> 28136  
<211> 261  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700892930H1

<400> 28136

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 gcgtgagatt gctgaggctt accttggctc cacggtgaag aatgctgttg tcaactgtccc 120  
 tgcttacttc aatgattctc agcgtcaagc taccaaggat gctggagtca ttgctggtct 180  
 taatgtgatg cgaattatca atgagcctac tgcagctgcc attgcttatg gtcttgataa 240  
 gaaggccaca agtgttggtg a 261

<210> 28137  
 <211> 266  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700892932H1

<400> 28137  
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 gacacaaaaa attgctaaac cagaaaaaac cggggaagag aaacctgcag caaccaaagt 120  
 ctcaagtatg tttggtggaa ctagagataa atgtgccggt tgtcaaaaaa cagtgtatcc 180  
 cactgaaaag gttactgtga atggnactcc ttatcacaag agttgtttca aatgcactca 240  
 tggagggtgt gttattagtc cctcca 266

<210> 28138  
 <211> 257  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892935H1

<400> 28138  
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 aagattaaag atttccaatt ttttgttggt gagagcatgg gtgatgatgc ttgcttggtc 120  
 tttgcctact acaaggacgg cgctgctgat ccaacattcc tgtactttgc atatgcctta 180  
 aaggaggta agtgctaagt gacttaatgt accgagctat ctactcattt tatctagttt 240  
 ttttttacgt tctgtcc 257

<210> 28139

<211> 254  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700892957H1  
  
 <400> 28139  
  
 attggaatgg gaatttacta tggttatggt gataggagca gtcacagggt gaattggagc 60  
 tgagattggt ggaagctctt gagatttacc ctccaatgaa actacaagga gtacatcgtc 120  
 actttgtcct ttatgggtctg atggaatttc taaggaggaa gtttgacaga caattttctt 180  
 ctgaggaggt cctacaattg ctggatcggt tctacaactt agaaatgctg aaaacagatg 240  
 atgacgagat tgat 254

<210> 28140  
 <211> 196  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700892961H1  
  
 <400> 28140  
  
 tattttctta aagaagcagt tcagctcgaa aataaaattc tctttatccc tattacttgt 60  
 gggagttggc attgcttcta tcacagacct tcagctcaat tttgtgggaa ccattctttc 120  
 ccttctggca atcataacga catgtgttgg ccaaatacctg accaacacaa tacagaagaa 180  
 gcttaacgtc tcttcc 196

<210> 28141  
 <211> 154  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700892969H1  
  
 <400> 28141  
  
 ggagctgact ggcctattga ttatacaaag gagaattttg aagacctgtc tgaaaagttt 60  
 gatgtggtgt atgatacagt agggcaaact gaacaggcat tcaaggtttt gaaagaagga 120  
 ggaaaagttg tgacaatagt accacctgga ttcc 154

<210> 28142

<211> 187  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892975H1

<400> 28142

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 cgcagaacga agccatagac cggcgagagc gtctccggcg attggctctg gagaccatag 120  
 acctggcgaa ggatccctat ttcatgcgca accacctcgg aagctacgaa tgcaaactct 180  
 gtctcac 187

<210> 28143  
 <211> 254  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892976H1

<400> 28143

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 aagcgcacac gcgctagcaa ggccccacgt gcagcctcag ctgctgacag cagaacgcgc 120  
 tttttcgacg gatgcgccga catcgattac cccgtcggcg gatcgcggtga agtgggacta 180  
 ccgtgggcag aggaagataa tcccgttggg gcagtggctc cccaaagttg ccgtgggatgc 240  
 ttacgtggca ccca 254

<210> 28144  
 <211> 254  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892978H1

<400> 28144

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 taaaggagca gtggagcccc gccttgacaa tatctaaggt tttgctctcc atttgcctcc 120  
 tattgacgga tccaaaccca gatgatccct tggcgcctga aattgctcat atgtacaaga 180  
 cagacaggct caagtatgag acaactgcta ggagctggac tcagaagtat gcaatgggct 240

agcaaattgg aata

254

<210> 28145  
<211> 120  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700892982H1

<400> 28145

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cagatctcta ttcttgggtc caaagcatgt taaccgaact caaccccgaa cccaacaaca 120

<210> 28146  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700892987H1

<400> 28146

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tcatgggcag aaaattcttc gtcggtggca actggaaatg caatgggacc actgaggagg 120  
tgaagaagat tggtactact ttaaataag ctaaagtccc tggagaagat gttgtagaag 180  
ttgttgtagag cctcctttt gtgttccttc cttttgtaaa aagtttgctg cgccctgatt 240  
tccatgtctc g 251

<210> 28147  
<211> 250  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700892989H1

<400> 28147

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aacttcaaaa gcaaacaatt tcatctacta gtaggcctac cgagggacaa caaaagcaaa 120  
acaagtgcag cacatgtaat gtttctttcg atgactctaa gctgtacagg gaacatcaca 180  
agagtgaatg gcacaaacac aatatcaagc gtaagacaag gcaactccca ccacttactg 240

aggaagagtg

250

<210> 28148  
<211> 252  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700892992H1

<400> 28148

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tgagtgggga aagtgcccaa tttttgaagg aaaaaaagat ggaatattgg aatggaaaaa 120  
gttccaaatg aagaagtga atcatcaata atccatgaag attctgataa cccgggatga 180  
atcttcaatt cgccgccttt gtaaagaaaa aagttggggtt ttccattgag ccaaaattct 240  
ttgttgattt tt 252

<210> 28149  
<211> 271  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700893001H1

<400> 28149

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ctccatgtat gggcatgttg agaaactagc agaagaaata aagaaagggg ctccctctgt 120  
ggaaggtgtt gaggccaagt tatggcaggt acctgagaca ctgctggatg aggtgcttgg 180  
taagatgagt gcaccacca agagtgacgt accagtcatt accccaatg aactatccga 240  
ggctgatggc tttgtattcg gcttcccaac a 271

<210> 28150  
<211> 258  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700893005H1

<400> 28150

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taacagtcac gttgattgga cgcttggatc tttcataatt gaaacaatgg cagaaccct 120  
 tgaattggaa catatagata cagggatgat tgttggcaat gaatcactca catatttttc 180  
 attatttgca tttcttttct tattcatact tgctgcattc tttgtaatgc aatggagaaa 240  
 gccacaattg aagacggt 258

<210> 28151  
 <211> 257  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893009H1

<400> 28151

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 agtgcacggc ttgtgacaaa acagttttatc tggttgataa gttgacagca gataaccgag 120  
 tgtaccataa ggcttgcttc agatgccacc actgcaaagg aacactcaag cttagcaact 180  
 ataactcttt tgaggggggtt ctttactgca ggccacactt cgaccaactg ttcaaaagaa 240  
 ctggtagtct tgacaaa 257

<210> 28152  
 <211> 255  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893012H1

<400> 28152

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 aaatctggtg caggaaagcg tagaggctca aatggtagag cagacatatg gttggctttc 120  
 cttggaccg atagacttgg aaaaaggaaa attgcttcag ttcttgcaga gactatattt 180  
 ggaaaccctg aaagcctaatt ctctgtggat cttggcttcc aggacagctt ttaccattg 240  
 aactcggttt ttgaa 255

<210> 28153  
 <211> 258  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893015H1

<400> 28153

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 aagatgcaga tcttcgtgaa aactttgacc ggtaagacca tcacccttga ggtggagtcc 120  
 tccgacacca tcgataacgt gaaagctaag attcaagaca aggaagggat cccacctgac 180  
 cagcagagac ttatctttgc gggtaaacag cttgaggatg gtogaaccct tgccgactac 240  
 aacatccaaa aggaatcc 258

<210> 28154  
 <211> 262  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893016H1

<400> 28154

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 ccgcaagcgt gctcaagtgc ggcagaggaa aggtttggct tgaccccaat gaagtcaacg 120  
 aaatctccat ggccaattct cggcaaaaaca tcaggaagtt ggtaaggat gggtttatca 180  
 tcaggaagcc aaccaagatt cactcccgct cacgtgctcg taggatgaag gagggcaaaga 240  
 ggaagggccg ccactccggt ta 262

<210> 28155  
 <211> 261  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893018H1

<400> 28155

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 ctgaaataat ccgtcgtgac aggcaaccat ctgaatagaa cttcctaaaa ttgaccaatg 120  
 ttaagaagtc agcttaattg taaattctct ggtttgatgc tttttatgta aagtttatta 180  
 tgtctactgg aacttatttg aaaattgtcg tgtttctatc agttctaaat tgaataagtt 240  
 taaggggatg tttgttcttt g 261

<210> 28156  
 <211> 258  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893022H1

<400> 28156

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 atcagcatcc atgtgtgatg agtatctttg ccaaggtgag gaaccaaaca taatagcgga 180  
 aaatgaatga caacaaaaaa aggtcttctc aagcccatga ctcaggtcca gcacgtattt 240  
 tcttctgccca tgattggg 258

<210> 28157  
 <211> 254  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893023H1

<400> 28157

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 cctctcccag caagttaggg acgatggact tcttcatact acatgtggca ctccctaatta 120  
 tgttgtctct gaggtcctta acgatagagg ctatgatggg gtaactgcag acttggtggtc 180  
 atgtgggggtt attctctttg tattggttgc aggttacttg cctttcgatg accctaattc 240  
 tatgaacctg tata 254

<210> 28158  
 <211> 253  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893025H1

<400> 28158

caaaagagat cgttgcagag attcctacct atatcagagt cttcagcgac ggcaccgtgg 60  
 aaaggccaag agaaacaccc tttgtgccac cctcaattga tgaccctcaa accggagtct 120

catccaaaga catcgatc tcacaaaacc ccttagtctc tgctcgaatt taccttccaa 180  
aacttaccac aataaatcaa gttcccatct tggctcttctc tcacgggtggg ggcttctttt 240  
tcgaatccgc ttt 253

<210> 28159  
<211> 262  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700893032H1  
<400> 28159

gaagtaaata aacgacactc acactatact aaagaatttc gtttcgtttg tacaaaacaa 60  
aagctagcac cgttctgcgg cggtccctc cgatcgatc tttacagagc ttccccgggtg 120  
accacaatcg ccattcgccg ccgcagacga cggcgctcat ggctcagccg ccgttcgatc 180  
cgttctacct ttaccaacat gatgagcaga gcaacatcaa cacgctattt gtctccggtc 240  
taccagacga cgtgaaggcg cg 262

<210> 28160  
<211> 261  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700893034H1  
<400> 28160

gagtattaac ccagatgaag ctggtgctta tgggtgctgca gtgcaggctg cgattctcag 60  
tggtcagggt aatgagaaag tgcaggatct tcttttggtg gatgttactc ctctatccac 120  
tggtttggag actgcaggag gagtcatgac tgtgttgatt cccagaaaca caaccattcc 180  
caccaagaag gagcagggtgt tctcaaccta ctctgacaac cagcccgggtg tgttgattca 240  
ggtctatgaa ggtgaacgaa c 261

<210> 28161  
<211> 257  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700893035H1

<400> 28161  
 cttagacgcc gcacgccacc accgtcactg tttcaatcct cgaactgtgt cttcttcgct 60  
 ttctgggtctt tttattaggt tttgttcac gatccatcgc caaacatgcc ttccagtcac 120  
 ttgcttctcg aggaacctat taggatgggc tccatccttg agccatccaa gcctagtttt 180  
 ttctctgcaa tgacaaagat tgttggtacc ctgggaccta aatctagatc cgtcgaaacc 240  
 atttctgggt gcctcaa 257

<210> 28162  
 <211> 252  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893039H1

<400> 28162  
 ctattatgaa atcgacaata cacctacagg aacttgctgt gtttgtgtgg ttggtggtga 60  
 aagggtccctt gttgccaact tatcagctgc aaattgctac aagtctgagc atttgacgag 120  
 accggaaaat tgggcattag ttgaaaaggc caagtattac tacatttctg gctttttcct 180  
 cactgtatct cctgattcca tacaattggg tgctgaacat gcagctgcaa ataacaagat 240  
 cttcatgatg aa 252

<210> 28163  
 <211> 249  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893043H1

<400> 28163  
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 atgggttttgc tttgcctttg aaggaagagc ataagctgtt tcttgcccgt gcgttgatcc 120  
 cgcttcacaa gcctaagtgt gttgctcttt atcatcaaca gctttcgtat tgcataactc 180  
 agtttggtga gaaggacgtc aaactagccg atactgtggt aagaggcctt ttgaaatatt 240  
 ggccgataa 249

<210> 28164

0953113-033260

<211> 249  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700893044H1

<400> 28164

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tcgtaggaac aatgggttat gcagctccag aatatgttca aactggacgt ctcacgtcaa 120  
agagtgatgt atggagctat ggtgtcttcc tttatgaact catcactggc cgccgtccaa 180  
ttgatcgaaa tcgccccaaag ggtgagcaga agctgttggg atgggtaagg ccataccttt 240  
cagatggga 249

<210> 28165  
<211> 252  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700893047H1

<400> 28165

ctgccatgga ttatagatgg ttaatgataa tcaaggtttt aaaaaaatgg tccgcgactg 60  
caattttgac tggttctatc tatgattcta tatgaccaca ttgtgactac atttgagggc 120  
atatgagttg catttgctcg cattttttta caatgttaag gattgcagca aaaccgtgac 180  
tgtggctaca attttaaaat cttgatgata ataatgacta tttttttata tgatttttct 240  
gcattctattg tt 252

<210> 28166  
<211> 253  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700893053H1

<400> 28166

aaagctgtga gcatggctga tttagagcat gcaaaagaca agatcctgat gggaagtga 60  
cgcaagtcag ctgtcatatc tgcggagtca cggaagttga ctgctttcca cgaggggtggc 120  
catgcccttg tggccatcca tactgatggg gccctccctg ttcacaaggc aactatagtt 180

ccccgtggaa tggctcttgg catggttact caattgcctg accaggacca gaccagcgtt 240  
tcccgtaaac aga 253

<210> 28167  
<211> 246  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700893058H1

<400> 28167

ccggaaagac catcaccctt gaggtggaaa gctctgacac catcgacaac gtcaaggcca 60  
agatccagga caaggaagga attcccccg atcagcaacg tctcatcttc gccggaaagc 120  
agctcgagga cggccgtacc ctgcccact acaacatcca gaaggagtca acccttcacc 180  
ttgtccttcg tctccgtggt ggcattgaga tcttcgtcaa gactctcact ggcaaaacca 240  
taacct 246

<210> 28168  
<211> 248  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700893060H1

<400> 28168

tgcaggaggt atgcatgcgg gattgcccac atatgtccat gtaaatctga gagacataga 60  
agatgctaaa ttaaggaag ggaagaagt gtctctagag tctactgaagg cgaaagggtgt 120  
gattaatcca tcaggaagag aaaggagact tcttttgaag atcttgggtg aaggagaact 180  
gagcaagcag ttgacattaa aagcccgcgc cttttccaca tcagcaaagg agaaacttga 240  
gaatgctg 248

<210> 28169  
<211> 251  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700893063H1

<400> 28169

aagagagtga ccccttaaca tgtcagtgtc acaaactcta actaacttcc cccatagtca 60  
 tatttcgtcg tcacaacatt agaagggtca tcttgtttat gcccgacatg ttcctttttg 120  
 taaatctgtg tgcatttaga gttgcactta tagatgattc ttgatatcat cagcaatttt 180  
 ttatccaata ttctattatg cctttgctgc ttgtgtcaca tgttccgttt cctcttttat 240  
 taactttgcc a 251

<210> 28170  
 <211> 255  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893064H1

<400> 28170

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 atggtgaagt tcacagctga agagctacgt cgtattatgg actataagca taatatccgt 120  
 aatatgtctg tcattgctca tgttgatcac ggaaaatcaa ccctcactga ttctcttggtg 180  
 gctgctgctg gtattattgc tcaagaagtt gccggtgatg tccgtatgac tgatacccggt 240  
 gcagatgaag ctgag 255

<210> 28171  
 <211> 253  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893067H1

<400> 28171

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 accaggacgg aggacggagg acggaaaacg gttaaaagaa gagaagggtc aagtagttga 120  
 tgtctcgcta agagagacat atgtgcttag cgagtgcacat ccgctaagca aagcatgcag 180  
 ctgcttagc atgttggaac accctagaat aggatcagtc agagatgtgc tcgcccagca 240  
 tgccgcaaac ttg 253

<210> 28172  
 <211> 247  
 <212> DNA



gagc

244

<210> 28175  
<211> 253  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700893080H1

<400> 28175

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tgctgggtttt gttaagatga ttccgaccaa acccatggtg gttgaaactt tctctgagta 120  
ccccccactt ggtcgctttg ctgtcagggga tatgcgtcaa actggtgctg tgggagtcac 180  
caagaacgtg gagaagaagg atcctactgg agccaaggct accaaggctg cccagaagaa 240  
gaagtgaatc gtg 253

<210> 28176  
<211> 247  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700893083H1

<400> 28176

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atggtcggca accagcatga agtggattaa agtcaagatg gaacaacttg ggggtgttga 120  
caatcctaac tacaaaatca ccgcacttct tgaccacatg gcaatgatca cggttcagac 180  
ttcttctcgt ggggtctttg attgcaagcc tcttggtttg atctgggcta agttccctga 240  
gttctac 247

<210> 28177  
<211> 247  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700893086H1

<400> 28177

gcaattcact ctgtacaatt cttcgttcgt tctctgcagt tatatccttt ttgagcttca 60

atggcggacg ctgaaacctt cgctttccag gctgagatca accagcttct aagtctcatc 120  
atcaacacat tctacagcaa caaggagatt ttcttgctg aatcatcag caatgcttct 180  
gatgctttgg ataagattcg attcgagagc ttaaccgaca agagcaagct cgatgctcag 240  
ccagagc 247

<210> 28178  
<211> 242  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700893089H1  
<400> 28178

cccggatccc aatccctaata ctttctacca ctctcactcc aaaaatctct aattttttca 60  
tctgggaaga tcggttgacg aatcgaggat ccgatcgctt gcgaggaact agggtttcaa 120  
tcgatcgcat cacacacaaa caatcatggt tagccggatg ttcggtaaac ctaaacagga 180  
aaccaatgct gttgccactt tggacaagct aaacgagaca cttgaaatgc tggagaaaaa 240  
gg 242

<210> 28179  
<211> 194  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700893090H1  
<400> 28179

ggaagaacca gctgaagaat ctgatgatga catgggtttc agtctgtttg actaatttat 60  
gtaatgcttt tgttgagttt atttggttag aattgaagtt gtgtttgcct ttcatttcag 120  
gtgttatttt agtgtattca tgttacattg caactacttt taatttccat agttaattaa 180  
agcttcaacg tttc 194

<210> 28180  
<211> 243  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700893092H1

<400> 28180

gaagattctg gtgaatgcgt agaaaaggaa aataaagaaa ttagcgtgaa aaatggtggg 60  
 tgtgttcagc agctccatag tgtcgccgcc ggaggagctc gttgccgccg gcagccgtac 120  
 accgtcgccg aagatgacgg cggcgccgct gcggaagtgg ttcgaggaga agaaccctc 180  
 cgcagtgtcg gtggaggtcg gagagcatgt ccagctcgct tatacccacc agaacgagtc 240  
 gcc 243

<210> 28181

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700893095H1

<400> 28181

taccaggttt gaaagagaag atggcactgg aggaaatgtt gatacgatgc caactgaaga 60  
 tccttctaataa ggccttactc aaccaagctt gcaaattgaa gatacagacc aaggcaatat 120  
 gcatgagtta agtgaggtag atactgagca atctcagcgg ggtgatataa ttaatgatga 180  
 aagcgatata gttgatgatg tagatttgat tgaatctatt gctctggaag gggagcaaca 240  
 ggaagaa 247

<210> 28182

<211> 251

<212> DNA

<213> Glycine max

<223> Clone ID: 700893096H1

<400> 28182

gtttcccaat ttccattgcc tccgcttcca cctcgcaacc atgatcatcc cggagaagaa 60  
 ccgcaaggag atctgcaaata acctcttcca agagggagtt tgcttcgcga agaaggactt 120  
 caatttgccc aagcaccctg agatcgacgt gccgaatctg caggtgatta agctgatgca 180  
 gagtttcaag tctcgcgagt acgtgagaga aacttttgct tggatgcact attactgggt 240  
 cctcaccaac g 251

<210> 28183

<211> 247  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700893109H1  
  
 <400> 28183  
  
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 agcagtcatt gtttgatctt gaggaagggc acaacaagc aaatgcaaca atcaaggaaa 120  
 aggaattttt gatatcaaat ctctctaaaat ctgagaaagc acttggtggag cgtgcaattg 180  
 aactgcgagc agaactcgag aatgctgcat cagatgtgtc aaacctcttt tctaaaattg 240  
 agcggaa 247

<210> 28184  
 <211> 238  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700893136H1  
  
 <400> 28184  
  
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 tctttatgag aaagaagggc agagtccatg gtatgataat ctctgcagac ctgttacaga 120  
 cctttcttct cttatagcaa gtggtgtcag aggcgtcact agcaaccctg cgatttttca 180  
 gaaagctatc tcatcatcga atgcttacia tgatcagttc agggaacttg tgcaagca 238

<210> 28185  
 <211> 241  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700893142H1  
  
 <400> 28185  
  
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 tggaatggtg gtgctgggtc tgggtgggga tactatgggt atgctgcaca aggttatgaa 120  
 aattatgggt atgctcctgc tgctggacag gatcccaaca tgtatggcag ttatccgggg 180  
 tatcctgggt accaaccacc tcagcaacag caacaaatag gatatagttg agaagagaat 240

g

241

<210> 28186  
 <211> 241  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893143H1

<400> 28186

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 tcttgcaagt cttggaatga ctccacttct agctgctgta tatgtgggtg ctttgcagaa 120  
 catatttagc aagagtgcc agtacagctt attgatccc tgcaaagaaa tggcctacat 180  
 tccattggac gaggatacca aggttaaagg gaaggcagcc attgatgttg tgtgcaatcc 240  
 a 241

<210> 28187  
 <211> 242  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893146H1

<400> 28187

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 tctgggaaga tcggttgacg aatcgaggat ccgatcgctt gcgaggaact agggtttcaa 120  
 tcgatcgcat cacacacaaa caatcatgtt tagccggatg ttcggtaa ac ctaaacagga 180  
 aaccaatgct gttgccactt tggacaagct aaacgagaca cttgaaatgc tggagaaaaa 240  
 gg 242

<210> 28188  
 <211> 244  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893147H1

<400> 28188

cggttaaactc caacttcaat atcttcaatt cacaactcta aatttatcac atgcctttga 60

aaattctcag tagatgaagg ctttgaactg atgagaagct tcaacacttt gtcaagcatt 120  
 tcgaattcat tagtgtcgga cacttaagaa tcacaagata ttctctttgg ctgcaccagc 180  
 ttggagatta ccgaccacct gctctgcttt aagtgacttt tggggccagt aatgaaacac 240  
 aaca 244

<210> 28189  
 <211> 241  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893149H1

<400> 28189

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 agtgctatgg atacacattt gagtgtgagc aactggcag gcacaccagg gtatgttcct 120  
 ccggagtact atgagagctt cagatgctct accaaagggtg atgtctacag ttatgggtgtg 180  
 gttttgttgg agctgctaac tgggaaaagg ccaacagatt cggctgattt tggtgataat 240  
 a 241

<210> 28190  
 <211> 241  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700893155H1

<400> 28190

cgagcttcac aaagatgaat cgggaaaaat tgatgaagat ggccggtngc ggtagaact 60  
 gggggaaagg gcaccgtnga gaagaaagaa gaaggctgtc cacaagacaa caaccacaga 120  
 tgacaaaagg cttcagagca ccctgaagag aataggggtg aatgccancc cggctattga 180  
 ggaggtcaat atctttaagg atgacgtant tatccagttt ctaaatecca aagttcaagc 240  
 a 241

<210> 28191  
 <211> 240  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893162H1

<400> 28191

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tgatcttcaa aggggccagg gccacagtt tcttttcttg gatctgtgcg ctgctttcct 120  
ttcacagcta cgtgttctct agtgaagctc acaagtcgca aaggagacct tgaggtgtct 180  
tgtgtggcat gtgaataagc ttacgttgta catatcaatg ccctttcagt atgggtatat 240

<210> 28192

<211> 217

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700893168H1

<400> 28192

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gaatgttcac ccagatgtca actttgaaga acttgctcgg tccacagatg atttcaatgg 120  
agctcaactg aaggctgttt gtgttgaggc tggcatgttg gctctacgcc gtgatgcaac 180  
tgaggtgaac catgaggact ttaatgaagg tattatt 217

<210> 28193

<211> 237

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700893192H1

<400> 28193

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aagttgctat atggttccaa aaccgaagag caaggttcaa gaccaagcag ctagaaaaag 120  
actatggcgt gttgaaagct agttatgata ggctcaaagg tgactatgaa agtcttggtc 180  
aagagaatga caagttaaaa gcagaggtga attctctgga gagcaaattg attcttt 237

<210> 28194

<211> 239

<212> DNA  
 <213> Glycine max

<223> Clone ID: 700893195H1

<400> 28194

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 tgggtgcttg acaagctcaa ggctgagcgc gaaagaggaa ttaccattga tattgctttg 120  
 tggaagtttg aaaccaccaa gtactactgc acagtcacgc atgcccccg acatcgtgac 180  
 tttatcaaga acatgattac tggtagctcc caggctgatt gtgctgtcct tatcattga 239

<210> 28195  
 <211> 244  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893201H1

<400> 28195

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 tttgtgaagc tatatgtcct gcacaagcaa tcacaattga ggctgaggag cgagaagatg 120  
 gaagccgcag gacaactcgg tatgatattg acatgaccaa gtgcatttat tgtggatttt 180  
 gtcaagaggc atgccctggt gatgcgattg ttgaagggcc aaactttgaa tttgctacag 240  
 agac 244

<210> 28196  
 <211> 241  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893206H1

<400> 28196

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 caccatcgac aacgtcaagg ccaagatcca ggacaaggaa ggaatcccc cggaccagca 120  
 acgtctcatt ttcgccggaa agcaacttga ggacggccgt acccttgctg actacaacat 180  
 tcagaaggag agtactcttc acctcgtcct ccgtctccgt ggtggcatgc agatcttcgt 240  
 t 241

<210> 28197  
 <211> 237  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893243H1

<400> 28197

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 cgacgatgtt cgacgcgata actcttcgga acgatgcgcc accaccaagg tcgtcaaatac 120  
 tcagtgcaga acagaggagg tcgaaactgg aaagtctgct agaaagtgcg agaaaaccga 180  
 agagattctc aggaattgca tcggaaagcc cgccgaagtg ttgcaatcaa acaaaga 237

<210> 28198  
 <211> 245  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893248H1

<400> 28198

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 atagttagag agagagaata ttatacagag agataagtgc aataatggag tgttgtaaga 120  
 gggatatatga gtgggttatgc aattcaaaat cataacttgat aatattgagc ttgcaatttg 180  
 gctccgccgg catgtacctt atcaccatgg atgctctcaa taagggcatg agtcattatg 240  
 tgttt 245

<210> 28199  
 <211> 230  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893267H1

<400> 28199

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 tcaagtccag gacaactgtt gttctgctc ctgtgtttcg gtccagtcaa cgtgcagaaa 120  
 aacggaagga gttttatata aaattagagg aaaagcagca agcaatggaa gctgagaaga 180

atcaaagtga agctaggacc aaggaagaga tggaggaagc tatcaagcag 230

<210> 28200  
<211> 230  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700893272H1

<400> 28200

gcagaccagg gcaactggtg ctgtgtaccc ttctcgaaga taggaagatg gaagggcgtg 60  
ttagattatc ctgtctcacc aggatgcgga tgaaaacata caagattatt tatcgggttt 120  
gtgggagaat gttttttgaa gcattgacgg agtaatcttg tgccttgggc aaaatatgat 180  
tttaagttgc cgggtgctatc tccactttct gtagtaattt atttctccca 230

<210> 28201  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700893320H1

<400> 28201

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tgatggggaa accttcaagc ttaaaacccc aataaaagtt tgtgatgtgc taaaaa 116

<210> 28202  
<211> 122  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700893331H1

<400> 28202

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ttctcggctt cttcagattt ctgaaatggc gcctgtttca gctttagcca agtacaagct 120  
cg 122

<210> 28203  
<211> 111



<400> 28206

taaatttgag gaaaggaaga aaatccaacc atcaaatgca atttctacca caagaattaa 60  
 tgttctgtct cctccacag catctgagca ggtaactcct attaccaaac ctgagcatgt 120  
 ggagaaagtg gaccagtagc accacaacca ccagcttccc aaccacaagc tgaaacatca 180  
 aagcaagcta cagacacagt tcaaaatatc cctccaaaag ttgactatgc tacagac 237

<210> 28207

<211> 228

<212> DNA

<213> Glycine max

<223> Clone ID: 700893462H1

<400> 28207

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 atcaggaaaa tacaagtttt gctgatgctg agactgctgg tgatcatcat ttcaatggca 120  
 gggcaaagca tggctagata tagcttttcc ccattctaaag ccattgtgga ccaagtacat 180  
 tgacttttca gattacttca taaagagttg tcacattagg gcattgta 228

<210> 28208

<211> 224

<212> DNA

<213> Glycine max

<223> Clone ID: 700893470H1

<400> 28208

caacagctgt ttacgtgtat ttgtattcag tatactacta ctatgtgaag acgaagatgt 60  
 caggcttctt ccaaaccagc ttctattttg gatacacttt gatgttttgt cttggactgg 120  
 gaatctgtgt ggagctgtgg gttatcttgg ttcgaatttg tttgtgagga ggatctacag 180  
 aaacatcaag tgtgactaag gctttttag gagtctgaga ccag 224

<210> 28209

<211> 128

<212> DNA

<213> Glycine max

<223> Clone ID: 700893473H1

0953443-032200

<400> 28209

ctgcaatagg tgcaccagcc acacctccac ctgttgccac tgtgccagat ttacttggag 60  
atttgatggg catggataat tctattgttc ctattgatca gccagctact cctactgggc 120  
ctccttac 128

<210> 28210

<211> 230

<212> DNA

<213> Glycine max

<223> Clone ID: 700893481H1

<400> 28210

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gttcttcgcg ttagggtttg cgtaattttc agatagaaaa aactgacat cattgtattg 120  
tgcggttcag aagatgagtg aagacgtgga gatgaaagat caggcaacgc cttcacactc 180  
gctttcttca gttcctccat ctgcattgca gcatttgaag gaaatagcat 230

<210> 28211

<211> 221

<212> DNA

<213> Glycine max

<223> Clone ID: 700893488H1

<400> 28211

aaaaggagca tcgagtaggt ttcctactcc cttctcatcg ttggcaagat gagtgccatg 60  
aaattttgcc gtgaatgcaa taacattctg taccctaagg aagacagaga ccagaaagtt 120  
ctctcttcgc ttgccgcaac tgcgaccatc aggaggttgc tgataacttc tgtgtgtata 180  
ggaatgagat acatcactct gttggagagc gcactcaggt g 221

<210> 28212

<211> 224

<212> DNA

<213> Glycine max

<223> Clone ID: 700893494H1

<400> 28212

attcgggctt tccgctggag tccgagttgg caacgctttg gtgttggaga tcgtgatgac 60  
 cttcggtttg gtgtacacag tctacgccac tgccgttgac cccaagaagg gcaatttggg 120  
 aatattgctc ccatcgccat tggtttcatt gttggcgcta acattttgtt ggggtggggcc 180  
 ttctccggag cagccatgaa ccctgctgtg acatttgggc ctgc 224

<210> 28213  
 <211> 210  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700893495H1  
 <400> 28213

ttttcttttc tcaattttta cccccccccc tgatttcagt ttcttatttt ctggggcagg 60  
 tctttttcaa aaaattcccc cttacaatta ttcactgtaa aatcttagga ccgattctgc 120  
 attcttggtg caaattctta ttattattct ggcaccaact gtaagatata tcgctaatta 180  
 aacaaagatt ttctaccagc tttcattgtc 210

<210> 28214  
 <211> 232  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700893509H1  
 <400> 28214

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 gcaaagaaaa caatttaatt aagtcaattt gtacccaaaat ggcttctcaa gtttgtgaaa 120  
 ctttggtttt catcaacggt gatgatgggt tgaaaatcaa cggtgctctt ctaatgtccc 180  
 tgatggaaga gccatcacca agtgatgaga gtgatgatga tcgattggat ag 232

<210> 28215  
 <211> 230  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700893526H1  
 <400> 28215

tggtactggt ggagagtcag ttacctcacc tgctgctctt aatttagctg gactcctttc 60  
 tgattgtgct gagcttttct ctagaatatt gagaacccta tttgaagttg ttatatattga 120  
 gaaccgtggc aatcattgga ctcttagccg agccattttg agcatgatac taatcagtga 180  
 agagatgttc acaaatgtca aggctcaaatt tttggtttcg tatccaccag 230

<210> 28216  
 <211> 229  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700893535H1  
 <400> 28216

gaagtttaca gcttgctgac gagtgttgcc aataggccct atttgtaatt gtaggaatga 60  
 tgagttgaga aaaagtgtga gcttttggga agaagatatg agctgcttga agtggctaga 120  
 aaagcagaag gccaagtcag ttgtatacat ctcatcggga agttgggtga gtcccattgg 180  
 ggaagcaaag ttgaaaaatt tagcactggc actcgaggct tcagggagg 229

<210> 28217  
 <211> 226  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700893539H1  
 <400> 28217

tggtgctgag aaagatcttc agtgcacaag aatcagagac aggagaaacc ctcttcggct 60  
 tgacacgagc ctggaagtgg atccttcgag acacgaaaat gaccctagca cccatgttgc 120  
 tgctggagaa ccaccaatt cacctgaacc ctgcgcacta catcagtga attattagag 180  
 aaggcacaaa aaatggcact gctttcttta agtgccatgg acatga 226

<210> 28218  
 <211> 234  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700893548H1  
 <400> 28218

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 gatacccttt tagtcttcgt gaggggtgcc cactgctgt ttctcatggc ctctgggtca 120  
 atatacctga ttatgatgct ccaacacagc ttgtcaaacc cctcgagagg aacaccaggt 180  
 atgttgatgc tgttcttacc attcccaaag gaacattggt ccccatgtgt ggta 234

<210> 28219  
 <211> 223  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893567H1

<400> 28219

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 accatggagg tcctgggggtg ctcggggatgc ctgctgggtcc ttacttatac gcggatgatc 120  
 tgattgaagt cttgaagaaa aagcatgctt ctggaacata taaaaaccta gtatatttatc 180  
 tggaggcatg tgaatctggg agtatctttg aagggtcttct tcc 223

<210> 28220  
 <211> 222  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893571H1

<400> 28220

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 ttcaaattga tactcttggtg gctagatcct ctatacctgc aaatacaaag gatgcattat 120  
 atcaaagctt gcctcctaata ataaaattag ctctgcgctc caaattacca tcccttcgtg 180  
 ttgtagaaga gctaactata gcagatatca cagatgagat gg 222

<210> 28221  
 <211> 225  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893576H1

<400> 28221

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gaaaatgtct tgctgcggtg gtaactgtgg ttgcggaagc tcctgcaagt gcggaacgg 120  
ctgcggaggg tgcaagatgt acccagactt gagctacact gagtcaacca ccaccgagac 180  
cttggtcatg ggagtggcac ctgttaaggc tcaatttgag ggtgc 225

<210> 28222  
<211> 227  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700893594H1

<400> 28222

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ctcccggaga aatccaatac gttgccaaag atgtgaaatc gattctcaac aacgacgatt 120  
tgtacaagga agccgcttcc gaggcttttc cctattacaa caaatcgcac ttgatttcca 180  
ttccaatgcc caaccgaagc ggagacgtac tggttacttc gttegggt 227

<210> 28223  
<211> 227  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700893596H1

<400> 28223

ctgggcaact gctctgctgt acttggtggtc tctcgtagct cctatcatgt ttccagaaag 60  
ggagttctga gcatcacgtt cctcagttcc aagtttctga gggaaaatgt gtcacctaac 120  
tactatatag tcgagtgggtg ttgcttttta taataggata tacggtatgc atctatatca 180  
gcatacattt gaataaagtg ttacgaatga catgattccg agtggtg 227

<210> 28224  
<211> 243  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700893605H1

<400> 28224

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 aaaataatag tacagtagta taaatagtat cagaccacca atagcgaaga caataacagt 120  
 aagtaacgtg gacccccctaa gcaattatct gcgacatgtg aatattgtaa gatattaagt 180  
 attatcaatc gtctttcaaa taaaatcaat gtgtctctca gggatatcaa ttgcttaata 240  
 aaa 243

<210> 28225  
 <211> 239  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893621H1

<400> 28225  
 atcaacccca attacttcat gtctggacaa gaggcacgtg agccttgtaa caaccacct 60  
 gtggagcagc ataataaac cagtgtactac tttacaata ctgggagtgg cacttttgct 120  
 tcttcttccc ctttgaacaa cgttctcct aattccacca gctcttatgc tgctgtcatt 180  
 gggaactcca ggtacctcaa accggttcag tcccttcttg aagatcttgt tgatgttgg 239

<210> 28226  
 <211> 236  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893626H1

<400> 28226  
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 caaaccaatt aagaagccac cagtgtacaa gcctccagtgt tacaagccac cagtgtacaa 120  
 accaccggtt tataagccaa aaccaccggt ttacaagccg aaaccaccgg tttacaagcc 180  
 accatataag aagccaccat acaagaaacc accttatgga aagtaccctc cagtag 236

<210> 28227  
 <211> 234  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893643H1

<400> 28227

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 ttggagagga aaagaacgat ttattggatt acttgagatc tcttcaacct gaacaggtag 120  
 ctcagctttc cgaatttaca tcccctgagc ttaaggacac catcctcttt gttgtccatg 180  
 gtctccttgc taccctttct cctaagatgc attctaaacc ttccaccatc tcag 234

<210> 28228

<211> 236

<212> DNA

<213> Glycine max

<223> Clone ID: 700893655H1

<400> 28228

gaaaaatgac gcagaaggcg aatcttttca agggtaaagc aaagaagaaa tcaatacctc 60  
 ccaatcgta tgggaaagtc cctgttactc gtaaaggaaa gagattcgtg aagccatcca 120  
 aggttacaaa ggatatggat actgatcgag gtgagcaaat tcattaacca ctgcaatgag 180  
 atcaaagcag cgactctagc aacgaaggat ggtgggcaac taggcatcat taagcc 236

<210> 28229

<211> 230

<212> DNA

<213> Glycine max

<223> Clone ID: 700893675H1

<400> 28229

gtttcgacct ctgttgttga gccttacaac agtgtcctct ccactcattc tcttcttgag 60  
 cacactgatg tggctgtcct gctcgacaat gaagccattt atgacatctg caggcgttca 120  
 ctggacattg agaggccaac ctacaccaac cttaatcggt tagtttctca ggtgatatca 180  
 tcactgactg cttccctgag gtttgatgga gccttgaatg ttgatgtcaa 230

<210> 28230

<211> 233

<212> DNA

<213> Glycine max

<223> Clone ID: 700893678H1

<400> 28230

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 aaagtccctg gagaagatgt cgtagaagtt gttgtgagcc ctccctttgt gttccttcct 120  
 gttgtaaaaa gtttgctgcg ccctgatttc catgtttcgg cacaaaactg ttgggttcgc 180  
 aaaggtggtg cttataccgg tgagggttagt gctgaaatgc ttgttaattt ggg 233

<210> 28231

<211> 232

<212> DNA

<213> Glycine max

<223> Clone ID: 700893684H1

<400> 28231

caactttcaa gggatgatag cttttgtgg cataaggatt aaggaggcat aaaggaccaa 60  
 ttgctttgga atattcactc atgacaaggc acaaggatcat gcgtgtatgc caacacatag 120  
 taatgatgtg tgtttttatt cagtaggcaa ctggcagatc gggttttccc ttgtcacttt 180  
 tgtataatta ttttgaaga atttatgatg tcaaagttat tgtttaatat ta 232

<210> 28232

<211> 229

<212> DNA

<213> Glycine max

<223> Clone ID: 700893689H1

<400> 28232

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 caacagttcc agaaaatgaa acaaccgagg taatcaagac ccaggaaaca accccggaac 180  
 cagtaccagc cactgaggct cctgcaacag aacaagcagc agctgaggt 229

<210> 28233

<211> 230

<212> DNA

<213> Glycine max

<223> Clone ID: 700893693H1

<400> 28233

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 cgaggcaaca agtttccagt taacttgtgt gactgccccg tgtctttag aaactacaga 120  
 aatctcaa at gaaatggctt cccttgtatt tgttcatcac aatgcattcc tgtggctgtt 180  
 ggttgcgcaa gtgaccagat gaatagctga agcagattgc attggtgtaa 230

<210> 28234

<211> 134

<212> DNA

<213> Glycine max

<223> Clone ID: 700893712H1

<400> 28234

gactttttat attgaatttt aaaataattt gtatcagtat ataaaaataa aatttcattcc 60  
 taggtttaat tttgatcccg ccactgtcag ttgtaaaatt tgaagaagaa atttcagatt 120  
 gtgttgtatt tttt 134

<210> 28235

<211> 236

<212> DNA

<213> Glycine max

<223> Clone ID: 700893731H1

<400> 28235

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 catccgagtc aatgtgtagt aggaactcca tggcactgta atttcttctc attacccttg 120  
 gatgtagtag tttagattgt tagtcctatg ttgttacagg tataatttca agtctttgta 180  
 cagctggagc attaccaga gagaaagcat gcatagatga agtggtaaaa ccgtaa 236

<210> 28236

<211> 232

<212> DNA

<213> Glycine max

<223> Clone ID: 700893745H1

<400> 28236

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 cctttaccag gttcagactc aattgaggca tccaggagaa gagaaagagg tgctcgagca 120  
 ctggaagaac gattggctgc agagagggtg gctgctgcac gacgtgagtt gcaaagagag 180  
 gctgaggaaa atgtgtaatt cctcagattt tgtaaatttg gatcagttca gc 232

<210> 28237  
 <211> 226  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893778H1

<400> 28237

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 agttgttctg atcacatgcc gccttcagaa tccaaatttg gatttggtcg gtgggactgc 120  
 caaggaaaag cttgaaaatt tctcaaata gctgtatgaa atgagattta acatgaaaac 180  
 ggggtgaagct tctcaaaaga aactatcagc atctgctgta gatttt 226

<210> 28238  
 <211> 235  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893866H1

<400> 28238

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 tcttgctatc tgcagtggaa ggcgtgaaaa gtgtggaatt gagaaggaga acaacttcaa 120  
 gcagcccga gagagatacc ggtcttgggc acctgacagg caagatagat ttgctcgccg 180  
 atgggttgat gctttatctg acccacgggt caccatgag atccgcagtg tctgg 235

<210> 28239  
 <211> 230  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893910H1

<400> 28239

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 gatagaatca caattctcag gggaaatcat gaaagccgtc aaattactca agtgtatggc 120  
 ttctatgatg aatgcttgag aaaatatgga aatgcgaatg tctggaaata ctttacagac 180  
 ttgtttgatt atttgctct gactgccctc attgagagtc agattttctg 230

<210> 28240  
 <211> 229  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893924H1

<400> 28240

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 tggtaagtac agcaagaatg aaaataaatc tgatgccac agaatggtga ggactggtct 120  
 tcaaaaagaa ggatcaagag tgatttttgg tgttcctaaa cctgggaaga aaagaaaatt 180  
 tatggaagta agcaagcatt atgttgcaga tgggacaagc aagatcaat 229

<210> 28241  
 <211> 228  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893927H1

<400> 28241

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 acaggtgggt tgatgccagg gatgccaggg accaggagga tgcctgggat gcctggaatt 120  
 gataatgaca actgggagat gcctaagaca agatcaatgc cgagagtaga catgtcaggc 180  
 atgcaaactg gaggacatag ccagtctccc tttctttcca agacatcc 228

<210> 28242  
 <211> 226  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700893942H1

<400> 28242

gcaaattgtg gtatcatcat ttgagcaagc agcgggttat ggggcggcaa aatcttacac 60  
 tgcccttgcc ctaaaaacta tctcaaagca attcagggtgc ctgaaagatg caatctctgc 120  
 acaaatcaaa gccacgagca agacattggg tgaagatgat tgcttaggag ttaaagtaga 180  
 nnggtcaagg cttaggtatg ttgaccacca tcttcggcaa caaagg 226

<210> 28243

<211> 226

<212> DNA

<213> Glycine max

<223> Clone ID: 700893943H1

<400> 28243

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 ctgccaaagt ttcaacgagt tcaactctag aagtatggag aaacttaatg tgttccaagg 120  
 cactcacaaa aaccacttgt ttcttggaat tgtggggatt actttggttc ttcaagtatt 180  
 gatggtggaa ctctaagga agtttgctga tacggagaga ttaaca 226

<210> 28244

<211> 223

<212> DNA

<213> Glycine max

<223> Clone ID: 700893959H1

<400> 28244

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 cactgacaac tacgatctgg agaaagcctt ctctcagtac ggtgacgtcg ttgaatcgaa 120  
 gattatcaac gatcgtgaga ctggaagatc caggggattt ggatttggtta ccttcgcctc 180  
 cgaggattca atgagggatg cgatcgaagg gatgaacggt cag 223

<210> 28245

<211> 217

<212> DNA

<213> Glycine max

<223> Clone ID: 700893965H1

<400> 28245  
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 gaagtcacag ttgtacagta ttgtgaagga cagaacacaa gtggataggg aattagagtc 120  
 tctaaggagg gacaaagtac tgcgtgtttt caaattaaat actggacaag atgatcatgc 180  
 cataatgttt ttggatgact acctaaacca gatagat 217

<210> 28246  
 <211> 217  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700893968H1

<400> 28246  
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 atctcaatcc aagatggatg ctgatgagaa agtcaccccg caagttttta agggacacag 120  
 gaattgtgag acggtgaagg gtgttaactt ttttggacct aaatgtgagt atgtggtgag 180  
 tgggtcagat tgtggtcggg ttttcatatg gaaaaag 217

<210> 28247  
 <211> 222  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700893972H1

<400> 28247  
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 ggacctccac caaaaaactt gcccttgccc ccaccagggg ttcctgaaag tgtggtaacc 120  
 cttgtaaaga tggatgaacga ggctagtgtt aacattccaa attgggactc atcttccacc 180  
 tcatcatgat gatatcccaa gtgcacattt cgaaaaggaa aa 222

<210> 28248  
 <211> 227  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700893979H1

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tttgggtggca tgatcttcat ccttggttac tgcaccgccg gtatttcagg aggacacata 180  
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<210> 28249

<211> 222

<212> DNA

<213> Glycine max

<223> Clone ID: 700893993H1

<400> 28249

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cggcgaggct ttcgaggtgg aggaggcggt ggcgctggag tcgcagacga taaagcacat 180  
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<210> 28250

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<212> DNA

<213> Glycine max

<223> Clone ID: 700894003H1

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<213> Glycine max

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gccaaacttg	atgtttcagt	gaaacttcta	atagattctg	ctgttgcata	tactatggat	180
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<213> Glycine max

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gntncttcag gngtctnatn gctaaagagg tccatggaaa atcctgaggg caggggtggga 180
ggctgctata aatcctcatt tctccaanta tacagggtgna ncgnatttaa ggcgcnntct 240

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<210> 28254

<211> 251

<212> DNA

<213> Glycine max

<223> Clone ID: 700894030H1

<400> 28254

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acaacgtcaa ggccaagatc caggacaagg aaggaatccc cccggaccag caacgtctca 180

ttttcgccgg aaagcaactt gaggacggcc gtacccttgc tgactacaac attcagaagg 240

agagtactct t 251

<210> 28255

<211> 244

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<213> Glycine max

<223> Clone ID: 700894035H1

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tactgtcatg gtgacaacct tagttcttga gggttggcag cgaaaacttg atcctgggta 180

caatgtgatg cagacattgc agacattgct acttagagct gattgggcaa agtctctttc 240

gtac 244

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<400> 28256

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tttcatctcc aaagggatcc acaggccgaa ggagaaatgg ggctgacatt cacaagctt 120  
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 atcgaagagt acgcaatgat ttagctcagc cttgtagaga actatgtctt tgttgctgtc 180  
 aacctggagt ttgtgcagac tgtcatttgc caggcactct ttgtatgtgg actgattgca 240

<210> 28258  
 <211> 241  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700894071H1  
 <400> 28258

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 aacacatgat caagatgtct ttagtttcta tccagatgaa cgaatttgca atggatttga 120  
 agaagtgttg agtcggtata gggaaattgt tcctattatt cgacttgcag gtcctacttc 180  
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<400> 28259

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 ccaaggcaag ggtgccaatg ccaatgctct tagggatggt gtttccatgg gaactgggaa 180  
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<210> 28260

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<213> Glycine max

<223> Clone ID: 700894094H1

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 caaccagcgg agcagaccca gtccatgccca tgttccaatg caggaactac ctctccatca 180  
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<210> 28261

<211> 257

<212> DNA

<213> Glycine max

<223> Clone ID: 700894104H1

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 <211> 252  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700894126H1  
  
 <400> 28263  
  
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 cccgagagac agccgattgg gacggcggcg cagagccaag acgacggcaa ggactaccag 120  
 gagccggcgc cggcgccgct gggtgacctg acggagttta cgtcatggtc gttttacaga 180  
 gcagggatag cagagtttgt ggccactttt ctgtttctct acatcaccgt cttaaccgtt 240  
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<210> 28264  
 <211> 251  
 <212> DNA  
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 <223> Clone ID: 700894134H1  
  
 <400> 28264  
  
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ttcagcggca aattatgaaa gaacaagacg atggccttga gcaattggaa gagaccgtgg 240  
caagcaccaa a 251

<210> 28265  
<211> 252  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700894136H1

<400> 28265

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tcacacaaat ttgggtccat tgatcccat tctggtaaag aactgatga tgacaatgg 120  
cagtttgttt caagtgtgtg ctggagaggg aaatcgggca tgcttattgc ggccaattca 180  
agtggatgtg taaaagtgtt acagatgggt taaagaaaag gttccatgtg acggcgactt 240  
tcttacattt gc 252

<210> 28266  
<211> 252  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700894140H1

<400> 28266

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aacgggtaca tggataactg cgagtgccca tatcataacg gcagtgatag ggtcaggagt 120  
gttgtcactt gcatgggcaa ttgcacaaat gggttgggtg gctggccctg ccgttctctt 180  
tgcttctctt ttcactcactt acttcacttc cactcttctt gccgactgtt atcgttcacc 240  
tgatcctgtt ca 252

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<212> DNA  
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<223> Clone ID: 700894147H1

<400> 28267

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cctcctaaag aaagagaaag acgagttcct atgacaaggc ttcggaacg agttgctaca 180  
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<223> Clone ID: 700894151H1

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aagcttg 247

<210> 28269  
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<223> Clone ID: 700894158H1

<400> 28269

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gatatttccc aatgcaaaga gggagttaa gtgattactt ccaacatacc aatgaagcct 180  
tctctatttg ccacagccaa aaatgtgaac tatcttccaa atgtcctttc agtaatggaa 240  
gctgaag 247

<210> 28270  
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<213> Glycine max

<223> Clone ID: 700894160H1

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 tgaagatgtc gactccggct aggaagagac tgatgagggg ttttaaaaga ttgcaacaag 180  
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<210> 28271

<211> 243

<212> DNA

<213> Glycine max

<223> Clone ID: 700894161H1

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 cagtatcctc tgcaacaat gtcaccaatt gggttggcac catttgatg acacccatat 180  
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<210> 28272

<211> 245

<212> DNA

<213> Glycine max

<223> Clone ID: 700894162H1

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<223> Clone ID: 700894171H1

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 catgacaaaa agaaagctgc tgagttgaga caggttatag cagcaacagt agcaagtgat 180  
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<210> 28275  
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<223> Clone ID: 700894178H1

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<223> Clone ID: 700894191H1  
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ctaactccct accctattcc gctttctctc atccatcatg aaaggaggaa agtccaagac 180  
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<210> 28277  
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<212> DNA  
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<223> Clone ID: 700894230H1  
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cca 243

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<223> Clone ID: 700894248H1

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 taaagaaaat cagtatccag atagaaccac aaaagaaagc ttggcacaag aacttggact 180  
 tacttatcag caggttgcca aatggtttgg caatacacgt tggagcttcc ggcattcatc 240

<210> 28279

<211> 238

<212> DNA

<213> Glycine max

<223> Clone ID: 700894253H1

<400> 28279

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 ttgatccaat gacagatatt tcaacttttg aggattcttt tgaagacaag agcaacaacc 180  
 cttcagaaga ttttcaacag gctttaaaga aggccttaca gaggaaggca caacttag 238

<210> 28280

<211> 236

<212> DNA

<213> Glycine max

<223> Clone ID: 700894261H1

<400> 28280

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 caccgtggga gatacttcag gttgggcaat tggtagtgat tatagcactt ggactggcga 180  
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<210> 28281

<211> 238

<212> DNA

<213> Glycine max

<223> Clone ID: 700894267H1

<400> 28281

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 ttcaaggatt ttcttttccc aaatacgttt tcttcagctt ccttccctga attttctcgg 180  
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<210> 28282

<211> 235

<212> DNA

<213> Glycine max

<223> Clone ID: 700894279H1

<400> 28282

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 agtagttgct ctgttttagag tttctccttt tccgtatacc atattcaact atgctgtagt 180  
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<210> 28283

<211> 239

<212> DNA

<213> Glycine max

<223> Clone ID: 700894281H1

<400> 28283

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 ctggctcact ggcgcactg gatcccataa aaaccacgga aaacacgtca ccgtcaaaga 180  
 gagtgaatcc aaggagaagg gtattcacag aaagctttcg cagtctgagg agtctggta 239

<210> 28284

<211> 233

<212> DNA

<213> Glycine max

<223> Clone ID: 700894289H1

<400> 28284

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 caatggggat cgatctcaag gccggaggta aaagcaaaaa aaccaaaaga acagcaccca 120  
 agtccaatga tatctatctt aagctcttgg tcaagcttta tcgcttcctt gttcggagaa 180  
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<210> 28285

<211> 232

<212> DNA

<213> Glycine max

<223> Clone ID: 700894290H1

<400> 28285

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 aatatccaag ctttatgggc caatctgggg tgtcaciaag tcagggtgatt catacacatt 180  
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<210> 28286

<211> 239

<212> DNA

<213> Glycine max

<223> Clone ID: 700894303H1

<400> 28286

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 gccaaacttg atgtttcagt gaaacttcta atagattctg ctgttgcata tactatggat 180  
 gaggtggaca tggtttttgt ggggtcggat ggagttgtcg aaagtggggg cataatcaa 239

<210> 28287

<211> 240

<212> DNA

<213> Glycine max

<223> Clone ID: 700894308H1

<400> 28287

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 caattggaat acggcgctcg ttttggtttg gaagtgttta ccgcgtgttc gtttgtggtt 120  
 cgtctctctc attcgaattc ttttctctc tagttcgaat ttctcactca gactctcttt 180  
 ttctctgaaa caattctctg aactactgat taaggcagct agtgattatg gtgctttgac 240

<210> 28288

<211> 245

<212> DNA

<213> Glycine max

<223> Clone ID: 700894310H1

<400> 28288

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 gagctcaagg atttgcagaa ggatcctcct acctcatgca gtgcaggccc tgtggctgag 120  
 gacatgtttc actggcaagc cacaatcatg ggacctgctg atagcccata tgcagggtggt 180  
 gttttcctag tttcaattca ttttctcct gactatccct tcaagccacc aaaggttgct 240  
 tttcg 245

<210> 28289

<211> 235

<212> DNA

<213> Glycine max

<223> Clone ID: 700894336H1

<400> 28289

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 attcctcgtg acagatctaa tctaatacagg cttttggggg tgtttcagac attgcatgca 180  
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<210> 28290

<211> 150

<212> DNA

<213> Glycine max

<223> Clone ID: 700894341H1

<400> 28290

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tatggatgtg gtgacagaaa ctattatcac atttttctgg ttttctttgt tgtcctgtga 120

ttttattata aaggaggagt ctattgtggg 150

<210> 28291

<211> 242

<212> DNA

<213> Glycine max

<223> Clone ID: 700894342H1

<400> 28291

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gtgtgcccgc tgagaacgat ggctgcaa at gtggaccaa ctgctcctgc aacctctgca 120

cttgcaagtg aggtgttggg agagcaagct tcaagcagag atagccctta attaggaata 180

atgataaact attaatgtgt agctaaaaac ttatgtatta tgtctgtgat ggttttcgtg 240

ca 242

<210> 28292

<211> 112

<212> DNA

<213> Glycine max

<223> Clone ID: 700894349H1

<400> 28292

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tgaggaattg gttgatgttg ccttcaccag ctgatatcta tgtcattggg tt 112

<210> 28293

<211> 241

<212> DNA

<213> Glycine max

<223> Clone ID: 700894357H1

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agatccaagg gaagtgaagg gatacagaaa agaggacttc aggattctgt gggcccaggt 120  
tgtggatgag tggaatcttc tgcacagggc cgagtatgat aacctgaagc ttgaaatgcc 180  
gtggtatgtg gcggaatact tctacccctt ggccggaata aggctcataa gggaggactt 240  
g 241

<210> 28294  
<211> 234  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700894382H1

<400> 28294  
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cattcgatgc tccaactgcg gcaaattgctg ccctaaggac aaggctatca agaggtttct 120  
ggtaggaac attgttgaac aggctgcagt cagagatgtg caggaggctt gtgtctacga 180  
acaatacacg cttccgaagc tgtatgtgaa gatgcagtat tgtgtttcct gtgc 234

<210> 28295  
<211> 233  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700894384H1

<400> 28295  
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ttacagagtc tgcgccgttt gcgaaagaac tatttccgac cccactttcg tctgccaccc 120  
ctccaaccct cctccaaac gactctttcg catctcatg tcggttgcca cagacacaca 180  
ggttctcact gtcgtctgct tcgacagggt tgccaggctc ctcttcggct gct 233

<210> 28296  
<211> 238  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700894389H1

<400> 28296

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 agatgccttg gtttgggtct actttcactc aaacattcca gaattcaaca aggtggaatg 120  
 ttggggccca ctgaaggaag cgtcacaccc acaggtgggg tccaggagga ggggttggca 180  
 attccacagc catgccaaga agaatgccaa tgttgctttc caccgcttac gttgagcc 238

<210> 28297

<211> 183

<212> DNA

<213> Glycine max

<223> Clone ID: 700894393H1

<400> 28297

gggatgcatc ttatagctcc acggctgaac ttgtcactgt ggatgaggaa gagggtcctg 60  
 tcacaagcgt tgcctgggct cccgatggat gccatgtagc catcggtttg aacaactcgc 120  
 atgtcctgct ctgggattct aatgtttcta ggctggtaag aacattgaga ggtggacatc 180  
 aac 183

<210> 28298

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700894405H1

<400> 28298

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 attatggaag gttgacaaac ttgatttctt ggctgtttg tgctcctttt ttggggttct 120  
 gttcatttca gtgcttttag gccttggtat agcggttatc atatcagtct tcaagatcct 180  
 gcttcatgtc actcgaccaa acactttggg tttggggaat ataccaggaa cacaaatatt 240  
 ccacaac 247

<210> 28299

<211> 252

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700894412H1

<400> 28299

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 tngatcagaa ggttgnttca gagtncccc attcatngga ancactatca tngggggttaa 120  
 ctngaaagga ggtgtcggtc tcggagccga atctncgaaa nagcacgnga gtgtatttgn 180  
 caaccgagca ttggncaaaa tcatcagtca ntggtaatgt atacgtgtgt cggcctggat 240  
 ngggngtgat tt 252

<210> 28300

<211> 246

<212> DNA

<213> Glycine max

<223> Clone ID: 700894421H1

<400> 28300

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 aatccaagca gtagggtag ggtttttttc cgatctcaat ggcggaggaa ccggagagca 120  
 ccgtcaccac cggcgcccc gacgaatcgc tgctcgataa gatcaccgag aagcttcacg 180  
 gccacgattc ttctctttct tcctcttcgg attccgattc cgaaaaaacc gttacttcgt 240  
 ccgtta 246

<210> 28301

<211> 246

<212> DNA

<213> Glycine max

<223> Clone ID: 700894423H1

<400> 28301

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 gacgcatcag catcaaagt catccacac caaatcgag ggggtccaaa cgacgtgctt 120  
 cgatttggtc tccatggagt caagagcgac atcgttggtt cccacctct tcaatcttca 180  
 ctccaatcta caaggagaat ggatgaagcg atgaagaagc aatgcaaagt taacctgtac 240

ggaact

246

<210> 28302  
 <211> 246  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894424H1

<400> 28302

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 ggagctttgg tactattcaa ggggcactgg gttgatttca ggtcaattgt aaggtctttc 120  
 ttgcctttta ttgtggttgt ttgcttaggt gtttttatgg ttggatggcc cttcttactt 180  
 gggctactat cttctctttt actcttaata gggtggttta tattgggtac ttacctattt 240  
 agaaac 246

<210> 28303  
 <211> 250  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894445H1

<400> 28303

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 tgaagatatt aatatttatg caaccactgc ttccaatgca gaagaaagta gttggggaac 180  
 atattgcccc ggggagttat ctagtcctcc ccagaatat acaacctgtt tgggtgactt 240  
 gtacagtgtt 250

<210> 28304  
 <211> 250  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894446H1

<400> 28304

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 tcatattggt tgggtgttga gatggtcctt gggacatgat gaaggagttt gatgacaata 180  
 tcccagcccg ggtctttgat aattttcagt ttgtgaattt cacagaaatt atgtcaaaga 240  
 atattcctcc 250

<210> 28305  
 <211> 243  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894455H1

<400> 28305

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 aatgtttctt gcaccacat gctcttacca ccctgccag tgccagatcc ccatcactac 120  
 gcatcttggg tagcaccaag cctaaccagc ttgtttgcaa ggcacagaaa caacaaacac 180  
 cacaagagga tattgatgtc agcccaatct ctgcccgttt agctctaact gtgtcattg 240  
 gtg 243

<210> 28306  
 <211> 149  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894464H1

<400> 28306

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 aatgttatgg ggggagctag tgtgaatcca tctgtgcttg cattgtacaa tagttctttc 120  
 aaatatattc tactctaaag ttgtccacc 149

<210> 28307  
 <211> 237  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894469H1

<400> 28307

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 ccggagccaa ggtcaccaag gctgcccaga agaagaagtg aatcgtgcgg gctgggtcat 120  
 caggggatgt tggttacaat aaatgttggt ttcttttctg tactcttctg tcttcttttc 180  
 taggtagctt gtttttcgga caaagtttga agtctccacc atcatctcgc aactgtt 237

<210> 28308  
 <211> 237  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700894470H1

<400> 28308  
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 catcaacggc gacgatcttc tctgggcnat naaaacncng ggtttcnaag tnnctgggac 180  
 ctctgaagat ttacctccag cgttccgcga gatggaggga gagaagaccg tggccgc 237

<210> 28309  
 <211> 245  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894478H1

<400> 28309  
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 gcctcgcttg tacagctgct ctaattgtag gaaccatgtc tcaactccatg atgatatcat 180  
 ttccaaggct tttcatggaa gaaacggccg agcctttctg ttttcccatg caatgaatat 240  
 tgtca 245

<210> 28310  
 <211> 246  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894479H1

<400> 28310

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 tctcataaaa cttctcttga ttggcgatag tgggtgcgga aagagttgcc ttcttctatg 180  
 attctctgat ggttctttca caactagttt catcacaact ataggcattg attttaagat 240  
 aagaac 246

<210> 28311

<211> 241

<212> DNA

<213> Glycine max

<223> Clone ID: 700894493H1

<400> 28311

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 catttgcatt tccctcttcc actcccttcg ttccgtctac tgacttctga gtaatgcggg 120  
 gacggcagag atagggattg ttttggctgt cagattactt tcttttgagg tttatgatcg 180  
 tgttgggttt tcaactatgag tgggtgttct aagagatctc atgaggatgc tgttcatcag 240  
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<210> 28312

<211> 248

<212> DNA

<213> Glycine max

<223> Clone ID: 700894512H1

<400> 28312

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 aggaggcaac caccattaac gagctgaaga agcctgttgt ggagaaagaa gctccagggc 180  
 atgccatatg agggcatgca cgtacggcct cggaggggaa ccagaaaatt atgttacaaa 240  
 ataactctg 248

<210> 28313  
 <211> 247  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894514H1

<400> 28313

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 catttactct ctcaactccg ttctttctctg tggcttgctg gccaaaggcta ccattctcct 180  
 catgcccaag ttcgatatta actccttgct tgctctcatt cacaagcaca aagtcattatt 240  
 gcccttg 247

<210> 28314  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894518H1

<400> 28314

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 gccgttgacg ccaagcttca ggccatttgc gagggcctgg ctgagctgca gaaacagggg 180  
 aagaccgaga agcctccgag gaaaacgcga tccaaactcg cttctccgcc agagaacgca 240  
 acaacaacga 250

<210> 28315  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894541H1

<400> 28315

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acacaaacct atgtatgaag aattggctaa caatccta atgtggagtaca ttgctggagg 180  
 tgctactcag aattcaatca gggttgctca gtggatgctt caagcaccag gtgcacaagt 240  
 tatat 245

<210> 28316  
 <211> 243  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700894546H1  
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 gaagtaacat ggctcaatat gcttttaggc aggattgtgc ttaaaacgtg aaggtttcat 180  
 gttgggttat tgagatcata gcctacaatt ttgtcttgat gatttgctct atagctgtca 240  
 tca 243

<210> 28317  
 <211> 244  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700894552H1  
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 atccacttca ctgcttggtg taacagcaat taccatggca aacaccattg ctggtgaaga 120  
 aacagtgcac aagggttgctt cacttttgct tgtatttctg ggtggtagtt atataatggt 180  
 gtttctgatg ggaaaggggtg gccatagtca ttcacacaac caacccatgg agaaatggct 240  
 gtag 244

<210> 28318  
 <211> 243  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700894570H1

<400> 28318  
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 gagccttctc cagagtgatg ctctttacca gtatattctg gagaccagtg tctaccaag 180  
 agaacctgaa tccatgaaag aactgagaga gttgacagca aaacacccat gaacatcatg 240  
 aca 243

<210> 28319  
 <211> 241  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894572H1

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 ggctattgaa atagcagaag ctgttggttg ggcattgaaa ggggagcttg ctgctactgc 180  
 agtcaatgca ccaatgggtc cctcagaggt gttaacagaa ttgaaacat cattgatctt 240  
 g 241

<210> 28320  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894584H1

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 ccactcggtg ctactggca tagttaagca tctgtatgat attctactgt tgcaagttgc 180  
 aagatatgtg cttgtggtcc tgactgcac tatggcatct gagtcaaact ttttgtgatg 240

<210> 28321  
 <211> 238  
 <212> DNA

<213> Glycine max

<223> Clone ID: 700894588H1

<400> 28321

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gtagtttgag tgttgacatg atataacatg gagacattgc attctatctc tgtaatcttg 120  
aaactctgca tccgtgtaat attacactgt cttttttaag catattattg cataagatgt 180  
ggttgatgta tgcttgtgta acattgtttt gtctgccttt gtgtgtgtta ttcatgta 238

<210> 28322

<211> 239

<212> DNA

<213> Glycine max

<223> Clone ID: 700894589H1

<400> 28322

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gcccttggtg ataggaaggg tattaaccgg tttggtaact tctctgctcc tcttgatgaa 120  
gcattgatac atgtttcact ggatttgtct ggccgaccac atctaagtta taatttggac 180  
ataccactc agagggttgg gacatatgat actcagttgg tggagcattc ttccaatcc 239

<210> 28323

<211> 238

<212> DNA

<213> Glycine max

<223> Clone ID: 700894592H1

<400> 28323

gtcactctcc acaacttccg atcgccggcg tcaactctcc ggctactttc ttatctctca 60  
atgcacgaat gaatgacaac gccttcactc tgtaaatcaa cttcacagtc actgtgtcga 120  
tcaccatgct ctctcgttta attcccaaac cctctcatct ccgtcgcttt ctctcttttc 180  
cgttgaagcc ttcccacgcg cctgcgaatc cctacttcac cgtcgtgttc ccaaacac 238

<210> 28324

<211> 261

<212> DNA

<213> Glycine max

<223> Clone ID: 700894609H1

<400> 28324

ataccttcaa gtccttccat cttcttaatg ctttaagcga cctcctgatg cttcctaagg 60  
 atatgctctt aaatgcatcc atcaggaaag aggtgtgtcc aatgttttagt gcatcgctaa 120  
 tcaagaagat tctagacaat tttgtcccgg atgagttttg cctgatcca attcccactg 180  
 atgtttttga agctctggac tcacaggatg atcttaggat gaaaatgagt ctatcagcaa 240  
 cttcccctgc aatgcagctc c 261

<210> 28325

<211> 259

<212> DNA

<213> Glycine max

<223> Clone ID: 700894628H1

<400> 28325

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 gctagaaaag gaagacattc tgaaagcccg gctaatacca atgttttagg gattgttgta 120  
 ttatatctaa gttgccttac ttgtttatat cataatatta aggcattcct tttgcctcta 180  
 gactttgttt tcttaccatt gttaattttg ctcgttttgt aatgtttagt ctttcctcat 240  
 tgttattgct tgaactttt 259

<210> 28326

<211> 114

<212> DNA

<213> Glycine max

<223> Clone ID: 700894630H1

<400> 28326

tagagagtgt gtgtgagaga gaatatatat tatattccct ttgtattatc tcggatttta 60  
 ctagtattgt tatcaagaag aagggtgaat cggattgcga aagttggcgt ttgg 114

<210> 28327

<211> 115

<212> DNA

<213> Glycine max

<223> Clone ID: 700894633H1

<400> 28327

atttgatgg ataatgttaa gctaattgtt gtaattgat ttattgaag ttaattgttt 60

ctcaacatgt tgtttggtag caatgagaaa attgatctac gatattattt aagtc 115

<210> 28328

<211> 258

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700894637H1

<400> 28328

tttctcaac gctatcgagc caaacccaaa cgtaaactca gaagaagacc nnnnnnnnnn 60

nnnnnnnnnn nnnnnnnncc gaaccacttt caactctcca acgtcgccac acgattcatc 120

gcgtttcgca ggctgcaatg gcgacgttcg aactgtaccg cagtacgacg atcggaatgt 180

gcctgacgga gacgctggac gagatgggtc agacggcact ctcagccccg agctcgcgat 240

tcaggttctg gtccattc 258

<210> 28329

<211> 261

<212> DNA

<213> Glycine max

<223> Clone ID: 700894648H1

<400> 28329

gaaagaagag ctcaaaaagt ctaaggttat taaaatagac tctcaaaaat catgggaaca 60

ccacatctct tatgctacca atcaaaagta ccctattgta gttcatttct ctgctttctg 120

gtgtgtccct tcttttagtta tgaatccttt ctttcaagaa ttggcctcca cttatgaaga 180

tgttttgttt ctgacgttgg atgtggatga ggtaggaaa ttgcctccaa gatggaaatc 240

aaagccatgc ccacctttct g 261

<210> 28330

<211> 259

<212> DNA  
<213> Glycine max

<223> Clone ID: 700894653H1

<400> 28330

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aaaattcaga ttcaaaggga tgacactaca tttgacgcat atgtggttgg aaaagaggat 120  
gctcctggaa ttgttgtgat tcaggagtgg tgggggtgtg attacgaaat taagaacctat 180  
gccgtgaaga tttctcagct tggtagtggg ttttaagctct tattccagat ttatacagag 240  
gaaaggttgg tctggatgt 259

<210> 28331  
<211> 258  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700894655H1

<400> 28331

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tgagagtatcg tctcctaccc atttttactt tactcaatct tgcactgggtg gcaatccatg 120  
ctgctttacc tctgaagtt tactggaagt cggtgcttcc tactacgcca atgccaaaag 180  
ccatcactga tatcctttac cccgattggg tggagagaaa agtacctcag tgaatgttgg 240  
aggcaagggc gtaaagtg 258

<210> 28332  
<211> 260  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700894656H1

<400> 28332

caagaagctc aactcagctg caacgagtct tcaaaagcaa cttcctgggtc ttaagattgc 60  
ggttttcgac atttacaagc ctctctatga ccttggttcaa tccccttcaa aatctggttt 120  
tgtggaggca aacagaggat gctgtggtac cgggactgta gagacaacat ccttgttgtg 180  
taatccaaaa tcaccaggaa cttgttctaa tgcacacagt atgtgttttg ggacagtgtc 240

catccttcac aagctgctaa

260

<210> 28333  
 <211> 258  
 <212> DNA  
 <213> Glycine max

&lt;223&gt; Clone ID: 700894658H1

&lt;400&gt; 28333

ggcacaaatt atgcttgga tgggtgcaagc acctcaagt gtttcaaaag ttcggccaat 60  
 ggtttcacag agcaatcagc agtcagtaca actaatataa aaaccaata ttcagcctgc 120  
 tccattattg cctgggcacg gtggtgcaca ggatcaagca ggtgtatctc aaacccaaat 180  
 tcctctgagg aaacaccaga accaaccttc aggccaattt catctgctgt tcctgcaatg 240  
 agtcatcaat ctcagccc 258

<210> 28334  
 <211> 258  
 <212> DNA  
 <213> Glycine max

&lt;223&gt; Clone ID: 700894662H1

&lt;400&gt; 28334

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 taagttcaag ctttgcaaag ttcgctcagt gcagtttggg caaaaaggta tcccatactt 120  
 gaacacctac gatggtcgca ctatccgcta cccagaccct ctcacagag ctaatgacac 180  
 cattaagttg gatttggagg agaacaagat tgcgatttca tcaagtttga tgttgggaat 240  
 gtagtcatgg tgacaggt 258

<210> 28335  
 <211> 255  
 <212> DNA  
 <213> Glycine max

&lt;223&gt; Clone ID: 700894678H1

&lt;400&gt; 28335

tggcattcag aaccaactat gaggattcta tagctgaagt agaatccaac gttgaggctc 60

gagaacataa cagcaggtta tggaatcaca gtgcttacia aagcgtggac caagaggctg 120  
 aggcgtttat tcagtatgag cataagagga tggaattagc caggcttatg tcaacaaggg 180  
 ctgtctgagc ctctcttgaa atatatataa tatattatca taggggcttc atgtgcattg 240  
 ttacatatta ttgtg 255

<210> 28336  
 <211> 265  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894681H1

<400> 28336

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 ccaacgcaaa taaaaacaac aacagagaaa caacctctgc ggagacttcc aaggataatt 120  
 cgaaaggctc cgagggttaa aatcagaagc cagagtacat tcatgtccga gcgcgtcgtg 180  
 gacaagccac ggatagtcac agcttagctg aaagagttgg agggagaaga ttagtgagag 240  
 aatgaagtat ttgcaagatt tagta 265

<210> 28337  
 <211> 260  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894683H1

<400> 28337

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 tcttttgctc ggtcccctcg tcggcaccta cgcgtatgtt caaaactacc tggaaaagga 120  
 gaagctggct cacaggtact gagctcttgc aagagctgat tggataacct tctagtttgt 180  
 tgccttgatc ttgtttagcc acccaataat gtgcactgtt gaaacttgct ctaccgtttg 240  
 gttttgatat gtctgagttt 260

<210> 28338  
 <211> 255  
 <212> DNA  
 <213> Glycine max

002220"CTTTE560

<223> Clone ID: 700894690H1

<400> 28338

ggccaacaag agactgcaaa tacagcaaaag acaaaggaga gccagttctt ttcctactgc 60  
tatagttacc ggcagatgca aagacaaggt ttacagtttt gttcgcttgg ctgagctata 120  
ttatgctgga agccatggca tggatattca agggccaaca agagactgca aatacagcaa 180  
agacaaagga gagccagttc tttttcaact gccagtgaat ttcttcccat gattgatgag 240  
gtgcaccatc aatta 255

<210> 28339

<211> 260

<212> DNA

<213> Glycine max

<223> Clone ID: 700894696H1

<400> 28339

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ctagggttat gtgggatcag aagactgggc gttcaagggg atttggattt gtttcattcc 120  
gtaatcaaca ggatgcacaa agtgctataa atgatttgac tggtaagtgg cttggaagta 180  
gacaaatacg ctgtaactgg gcaacaaaag gtgtggtggt actgaagaga agcaaaactc 240  
agatgcaaaa agtgtggtgg 260

<210> 28340

<211> 260

<212> DNA

<213> Glycine max

<223> Clone ID: 700894704H1

<400> 28340

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aagaatctta agctatggga aagtcttacc caaccgtgag cgctgattac cagaaggccg 120  
ttgagaaggc gaagaagaag ctgagaggct tcatcgctga gaagagatgc gtcctctaa 180  
tgctccgttt ggcattggcac tctgctggaa cttacgacgt gagctcgaag accggtggtc 240  
ccttcggaac cataaagcac 260

<210> 28341  
 <211> 257  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894709H1

<400> 28341

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 ggagaccgtg ccactaacgt aatcaggggc acaaagaaag aacaagttca acaaatcatc 120  
 aaagacatta aggagttcaa agaaagcact aagggtgaca aggtggttgt cctgtggaca 180  
 gccaacacag agaggtacag caacgtagtt gtgggactaa acgacaccat ggaaaacctc 240  
 tttgcttcct tggacag 257

<210> 28342  
 <211> 257  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894714H1

<400> 28342

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 ggtgcaggtc ttggaaagga agttgcatta ttgactgatg gaagattttc aggaggttca 120  
 catggatttg tggttggcca tatatgtcct gaagcacagg aaggtgtgtc aattggcttg 180  
 attcaaaatg gagacgtaat caatgttgac atcaagaata ggagaattga tgttttggta 240  
 tcagatgagg agatgga 257

<210> 28343  
 <211> 264  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894716H1

<400> 28343

tttcttctgt tcttctgtac agcaccacaag attgaagatg atagaccttg cgcgctgca 60  
 gaaggagctc gtggaatgca gcaaggacgc ggagggatcg ggcatcaaag tctgccccaa 120

aagcgacaac cttgttctct tgatcggcac cattcctggc cctgtcggaa ctcttatga 180  
 agggggcatt ttccagattg atatcacatt gccagatggg taccggttg aaccccccaa 240  
 gatgaagttt aaaaccaaag ttg 264

<210> 28344  
 <211> 258  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700894719H1  
 <400> 28344

gtggaaaggg aggcaagggt ttgggtaagg gaggagcaa gaggcacagg aaggtgctcc 60  
 gcgataacat ccagggaatc aaaaaacccg ccattcgccg tttggctcgc agaggcggcg 120  
 tcaagagaat cagtggcctc atctatgaag aaaccgcgg cgtccttaag atcttcctcg 180  
 agaacgttat tcgcgacgct gttacctaca ccgagcatgc taggaggaag actgttaccg 240  
 ctatggatgt tgtttatg 258

<210> 28345  
 <211> 253  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700894722H1  
 <400> 28345

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 gttggtgctt ctgatgaaat aggtaagcta agaaggcat catcatttga gcttgggaac 120  
 aatggtgagg agcctgattt atcttgggtg cagtcacttg ttaaggaatc accagctgac 180  
 gttaaaggta aatttgcaac cactgtctca aatgtttcag cagcagcagc tggatcctcc 240  
 agtgagggat caa 253

<210> 28346  
 <211> 139  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations

002250"CTT560

<223> Clone ID: 700894732H1

<400> 28346

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gtcnttgnaa ccctnntttt aaaaatgttn aaggggagca aggaaccata aggtncctcg 120  
ntgggnccac aaacccttt 139

<210> 28347

<211> 251

<212> DNA

<213> Glycine max

<223> Clone ID: 700894738H1

<400> 28347

agcagaagca tggtgaagag ttagttcgat taccggattg ctccctttgt cacactcctt 60  
cccctgagggc tggctctgtt tgtccaactc ctgctctttc caatggcttc gttacatttg 120  
gtagttttta caatcttgcc aagattacac ccaagggtact gcagggtctgg gcaaagatac 180  
tatgtgcaat tccaaattct cgtcttgttg tgaaatgtaa accgttttgc tgtgatagtg 240  
tgagacagag g 251

<210> 28348

<211> 193

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700894740H1

<400> 28348

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cgcgagcgcg agcgaanagc gaggagtcc gtggacggag gaagaacaca agttgttttt 120  
ggttggattg cagaaagtag ggaaaggtga ttggagagga atctccaaaa actacgtcaa 180  
aacgcgaact ccg 193

<210> 28349

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 700894751H1

<400> 28349

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atgtcggtgg ctggccatcg tcgcctcaga agctgccacc tggcgatccc gccatcggtg 120  
attgcacgtg cgagttcccg cgtgtgaagg atttcactac ggggttgcct taccggtgct 180  
ttccgacgtg ggacacgagg tcgcctcaac ccgctgatat cgaatccgct gttaagtggg 240  
catctcgaca ga 252

<210> 28350

<211> 248

<212> DNA

<213> Glycine max

<223> Clone ID: 700894757H1

<400> 28350

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gttgagaagc ttcgcgaacg aaagcaaaga accctagacc gtcacagaac cattccatag 120  
ccatgtctgg tgttgccct ctttctcagg attgggaacc tgtcgtcctc cgcaagaagg 180  
ctcccaccgc cgccgccaag aaggacgaga aagccgtcaa cgccgcccgc cgctctggcg 240  
ccgaaatc 248

<210> 28351

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700894758H1

<400> 28351

cagaagggtg gaacaatgcc taataaaata aagcattgtt tagatctcgt aaagcttacg 60  
aggtttaata ttttatcttt attaacctta cagtatgtgg cgtgagagtt tgagaatcat 120  
gctgcagaag ggttttagagt gatagttgca tgagtatttt aatttctcaa gataactgaat 180  
tggaagaaag tttccaacat aggctgttga atctttatgt atcatgcatg cttaataatc 240  
tattcaa 247

<210> 28352  
 <211> 256  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894765H1

<400> 28352

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 gttgggtttt gtagactggt tcattcttga aatgcctaca ctggaatcgt gatatcatgt 120  
 agaataaggc tagtcttgca tattggtttg aatttacaat ttacaagcat catccataca 180  
 taggattatg tttccgtgaa acggtcattc taaagacgtg cttgaaacaa ataggtctac 240  
 atcaaagttc atatag 256

<210> 28353  
 <211> 251  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894766H1

<400> 28353

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 gctcttttgt ctgcttatgc tgcaaccccc actaatctca agatcattga tctctatgtc 120  
 atctatgccg tattcaccgc tttcatccag gttgtttaca tggcttttgt tggatcattt 180  
 ccatttaact ccttctatc aggagtactt tcttgtgtag gaactgctgt tcttgcgtgt 240  
 tgtctcagga t 251

<210> 28354  
 <211> 245  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894771H1

<400> 28354

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gcaaacggcg ttagcgatgg agtatcttca cttctcgggtg gtgccgccga ttgtgcacag 180  
 ggacataacg tcgtcgaata ttttcgtgga gagggatatg aggattaagg ttggggattt 240  
 tggac 245

<210> 28355  
 <211> 247  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700894777H1  
 <400> 28355

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 gatgaaattg tgaaggaagt ttcttcctat ttgaagaaag taggatacaa ccctgacaag 120  
 attccttttg ttcttatatc tgggttttgag ggagacaaca tgattgagag gtccacaaac 180  
 cttgactggg acaagggtcc tactctgcta gatgcacttg accagatctc tgagcccaag 240  
 aggccctt 247

<210> 28356  
 <211> 246  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700894783H1  
 <400> 28356

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 tacgcattag acaggggact aattaaaaag gctgaatata acagtatcaa caagttgatc 120  
 ccaccatgca agcaggccat agaagcttgc ggaactgaag gtggagaaac atgcgtatct 180  
 tcattatatg tttgcaataa gatattcaat cggatcatga ccattgctga tgatgttaat 240  
 tactat 246

<210> 28357  
 <211> 241  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700894788H1

0022E0"CTT560

<400> 28357

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gaacaggatt attccgagac atgtgctatt ggctgtgagg aacgatgagg agttggggaa 120  
attgcttgct ggtgtcacca ttgcacatgg tgggtgtgctt ccaaacatta accctgtttt 180  
gttgccctaag aagacggaga gggctgccaa ggagcctaag tctccatcca aggctactaa 240  
a 241

<210> 28358

<211> 249

<212> DNA

<213> Glycine max

<223> Clone ID: 700894795H1

<400> 28358

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atcactgggg atgatgctcc aggagaaact tggcacatgg tcttcagcac cgaggagag 120  
attcettaca gagaaggaca atcaattggg gtaattcctg atggtgttga caagaatggc 180  
aaacctcata aactgagatt gtattctatt gctagcagtg ccattgggtga ttttgagat 240  
tccaagact 249

<210> 28359

<211> 251

<212> DNA

<213> Glycine max

<223> Clone ID: 700894808H1

<400> 28359

gttgtaactc gttcttcttc ttttggtgtt ctgtgtttgt gtttgttttt tctctcact 60  
gaaaatgtct tgctgcggtg gtaactgtgg ttgcggaagc tctgcaagt gcggcaacgg 120  
ctgcgagggc tgcaagatgt acccagactt gagctacact gagtcaacca ccaccgagac 180  
cttggtcatg ggagtggcac ctgttaaggc tcaatttgag ggtgctgaaa tgggtgtgcc 240  
cgctgagaac g 251

<210> 28360  
 <211> 250  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894836H1

<400> 28360

aagagagaga aagagataga tagttagaga gagagcagag acaccgttcg gtgctccgct 60  
 gaattcgggt gtggccctcg cgctccgctg caattttaca ctcaaaagga cctcatgtct 120  
 aacatagagg agaacaaaga tctgggacag atggacgtgg atgcatctga tgagtcagct 180  
 aacatgccat cccccaaaa gcaggaggag tctgtaaaga aaaagtatgg aggaatgctg 240  
 cccaaaaagc 250

<210> 28361  
 <211> 245  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894857H1

<400> 28361

aaccgagtta actcactaac aatcacatgg cttctgaact caccaaactg atccttccat 60  
 ggaaagttag cttactcatt tccctccttt ccaccctcgc cgacacctct cgccgctcca 120  
 acgccaccat caaccgccgc ctctttaacc tcgctgaccg ccagtcactg ccaaacccca 180  
 cccccgtcga cggcgtttcc tctccgacg tcaccgtcga tcccgccgcg aacctctggt 240  
 tccgc 245

<210> 28362  
 <211> 241  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894873H1

<400> 28362

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 gcccttggtg ataggaaggg tattaaccgg tttggtaact tctctgctcc tcttgatgaa 120  
 gcattgatac atgtttcact ggatttgtct ggccgaccac atctaagtta taatttggac 180

ataccactc agaggggttg gacatatgat actcagttgg tggagcattt cttccaatcc 240  
c 241

<210> 28363  
<211> 243  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700894881H1

<400> 28363

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tttgggtccc ttttgggggt ttcagcaagg ttggatgaaa tggcttagtg gggatgata 120  
caacgcatta taccctgttt tatttcttga ctatctgaag tcaggaatcc cggctttagg 180  
tggtgggttt cctagagttg ttgcaacatg gggctctgact atagttctca cttacttgaa 240  
cta 243

<210> 28364  
<211> 241  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700894883H1

<400> 28364

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tttgtacaac cctaggaag agaagaagaa ggttcaaaat caatccattt ttcatttcga 120  
aagatcgtga tgcgaatgtc cctctccacc gtgaggcagc ggcgctcgga gccgtctgat 180  
ccgtcgccat cagaaccgta cacgaagctg gacaagcccg agaaagcgga ggagaaagac 240  
g 241

<210> 28365  
<211> 238  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700894887H1

<400> 28365

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 tcaggatgca gtggttgaag gtcacaaaaa tagacaaggc gaaccaaggc tgaggaagcc 120  
 aaaacaatca atatatacat atccagctcc tgattgcatg tgccaagctt agtgactagt 180  
 agtataactta aattattatt gctcacgatg tagcctgtgt attttatagt tcggtgtc 238

<210> 28366  
 <211> 239  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700894894H1  
 <400> 28366

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 ttgcttttagt tttgggtcta tgtctagcac tcaacatggc tctgccgaca cgtgcagcta 120  
 cccacacagt gggagacacc tcaggttggg cactcgggtgc tgattacagt acatgggcca 180  
 gtggcttgaa attgaaagtc ggagatagtc ttgttttcaa ttatggggct ggtcacaca 239

<210> 28367  
 <211> 261  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700894906H1  
 <400> 28367

cttggttatt atcgtgtata tattgagaag atacatgcct atctatcatc atttcgtag 60  
 caaatttctc aaactttctc tcaagatctg aaaccactct gatggagcaa agtaaggaga 120  
 aaaatgctcc ttggttatca gtgccacagt ttggggactg ggatcagaag ggacaagtgc 180  
 cagactactc tctagatttc tctaaaattc gggaaatgag gaagcaaac aagacaaata 240  
 tttcaagggc aagtcttggt a 261

<210> 28368  
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 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700894907H1

<400> 28368

ggtgaaccaa acacaaaatt ccatccacca cttctctttt caatcccaa ctcaaactg 60  
tgaagaaaat ctcaatttct aaattgtaat tcttagcact actgctagta gtagtaaaaa 120  
aaaacaatta gaaagtagta gagtggtttt tttctttttt ttcgtttggt ttacttttaa 180  
gatgggtgag aagagcaacg ttggcggcga cgcgattaac acgacactgc ttcacgggaa 240  
gtacgagctg ggccggctgt t 261

<210> 28369

<211> 259

<212> DNA

<213> Glycine max

<223> Clone ID: 700894910H1

<400> 28369

agggaattga tttctactcc actgttactc gtgccagatt tgaggagctc aacatggatc 60  
tcttcaggaa atgtatggag ccggtggaga aatgtttgag ggatgctaag atggacaaaa 120  
gaagtgttga tgatgttgct cttgttggtg gttctaccag aattcccaag gttcaacaac 180  
tgctgcagga cttctttaat ggaaaagagc ttgcaagag cattaatccc gatgaggctg 240  
ttgcatatgg tgcggctgt 259

<210> 28370

<211> 259

<212> DNA

<213> Glycine max

<223> Clone ID: 700894918H1

<400> 28370

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caagttctgg tactcttaaa gcaactcctt tccttggcca aggcaagggt gccaatgcca 120  
atgctcttag ggatgttgct tccatgggaa ctgggaagta caccatgggc aatgatttgt 180  
ggtatggacc agacagagtg aaatacttgg gacccttctc agctcagacc ccttcatact 240  
tgaaaggaga attccctgg 259

<210> 28371  
 <211> 257  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894922H1

<400> 28371

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 tgagagcatc aacaacaggc tcgctcttgt catgaagagt ggaaaattca ccctcggtta 120  
 caagacgggt ctcaaatac ttaggagctc caaagggaaa ttgattatca ttgctaacaa 180  
 ctgccccctt ttgaggaaat cagagattga atactatgct atgttggcca aggttggagt 240  
 tcatcattac aatggga 257

<210> 28372  
 <211> 257  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894924H1

<400> 28372

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 gcgccattgg atcatgggtg gccctcctcc tctccagcg tggttatacg gtccatgcc 120  
 ccgtccaaga catcaaggat gaaaatgaga cgaaacattt ggaggaaatg gaaggagcaa 180  
 agagtcgtct ccattttttt gaaatggatc ttcttgacat cgactccatt gccgctgcc 240  
 taaagggttg ctccggc 257

<210> 28373  
 <211> 256  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894935H1

<400> 28373

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 cattgcgcaa aaagcaaata ttgtcagacc tgactggaat ggccttaatg ttttacttct 120  
 ccatgctgcc caggctgctg cccttgacct tggacttggt ccacaatctg agaaaagcct 180

tgagtctgca aaatttgtat atttgatggg tgctgatgat gtaaacttag acaagatccc 240  
agatgatgct tttggt 256

<210> 28374  
<211> 247  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700894968H1  
  
<400> 28374

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gctctgaagg gtcttggttg tgtgctaaat agcatggatg aggggtgaaac tcacaacaat 120  
gcaacttcac ccaataaccc ccataatcct actcctatgc ctggaaggaa tcaactcaatt 180  
ggaaaatata acaacagtgg cactcagaag atcaaaggtc tgagtaacca aacgggcttc 240  
accgaag 247

<210> 28375  
<211> 248  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700894970H1  
  
<400> 28375

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tcacaattga ggctgaggag cgagaagatg gaagccgcag gacaactcgg tatgatattg 120  
acatgaccaa gtgcatttat tgtggatttt gtcaagaggc atgccctggt gatgcgattg 180  
ttgaagggcc aaactttgaa tttgctacag agactcatga ggagctttta tatgacaagg 240  
agaagctg 248

<210> 28376  
<211> 256  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700894978H1  
  
<400> 28376

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 gctggcatct caataggcag tgagatgtct ggtgggggat ccaatgtcct ggtggagAAC 120  
 attcttgtat gggaatcaag gcgtgccatg agaatcaaga ctgctccagg aagaggcgga 180  
 tatgtgcggc aaataacata caaaaatcta atgttaaaaa atgtgcgcgt tggaattgtg 240  
 atcaagacag attaca 256

<210> 28377  
 <211> 249  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894991H1

<400> 28377  
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 cagcgggtgcc aagatctacc cagggaaagg catcagattt gttcgtggtg attctcaggt 120  
 tttcctgttt gctaactcga aatgtaagag gtatttcac aacaggttga agccatcaaa 180  
 gctcacctgg actgcaatgt acagaaagca acacaagaag gacattgctc aagaagctgt 240  
 gaagaaaag 249

<210> 28378  
 <211> 253  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700895010H1

<400> 28378  
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 tcattcattt cacaaaactg gttcacnttt ggacccatgg cttctaaaaa ctccacgttg 120  
 ttccagtctc gcttcttcct ctteggtctc tattgctggg actgggagtt tctcaccgct 180  
 cttctcctct ttagttcttc ttctaatca aataaccttc tccaccatac ataaaccttt 240  
 ttttttttgt ctt 253

<210> 28379